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SALARIES 1982

# ANALYSIS OF THE AMERICAN CHEMICAL SOCIETY'S 1982 SURVEY OF SALARIES AND EMPLOYMENT

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CONTENTS


| | Page |
|---|---|
| Introduction and Acknowledgment | v |
| Summary of Findings | 1 |
| List of Tables | 5 |
| Technical Notes | 8 |
| Geographic Regions | 11 |
| Tables | 13 |
| Survey Questionnaire | 105 |

## INTRODUCTION AND ACKNOWLEDGMENT

This report presents detailed results of the 1982 Comprehensive Salary and Employment Status Survey. Such a survey is conducted in March of every year by the ACS's Office of Manpower Studies. A summary of the 1982 findings was published in the July 5, 1982 issue of Chemical and Engineering News.

General oversight of the survey and its analysis was provided by the ACS Council Committee on Economic Status, which is grateful to each of the more than 12,000 ACS members who completed and returned survey questionnaires. Dr. Gerhard Meisels is 1982 Chairman of the Committee.

This report was prepared by John Robert Jones, Harry Foxwell, and Sandy Schowgurow, of the ACS Office of Manpower Studies.

## SUMMARY OF FINDINGS

### Employment Status

Unemployment among ACS members is now worse than at any time since the recession year of 1976. After holding steady at about 1% from 1979 through 1981, this year the unemployment rate for ACS members rose to 1.7%.

Women members were generally twice as likely to be unemployed as men. There was no indication from the data that any other classification, such as age, most recent employer, or specialty, had significant effect on the unemployment rate.

### Salaries

As of March 1, 1982 median salaries for ACS member chemists working in private industry were:

$29,000 for the BS, up 3.6% from 1981, down 3.0% in constant dollars,
$33,000 for the MS, up 3.9% from 1981, down 2.7% in constant dollars,
$42,000 for the PhD, up 7.7% from 1981, up 0.9% in constant dollars.

(Prices as measured by the official Consumer Price Index for Urban Workers increased 6.8% between March, 1981 and March, 1982.)

Salaries of women ACS members were lower than those of ACS men, even after adjustments were made for differences in experience (years since BS).

### Comparison with Battelle Survey

Can we trust these data? To get an indication of how much to rely on this survey, the ACS Office of Manpower Studies compared these results with those of a survey conducted by Battelle Columbus Laboratories.

The Battelle study collects salary data from companies that employ chemists, whereas the ACS collects salary data from individual employees. Because the two surveys classify their results differently, salaries that Battelle reports generally do not have exact counterparts in the ACS report. The OMS, however, was able to generate a table for one group of ACS members that does have a close counterpart in the Battelle report: non-supervisory R&D chemists who do not hold advanced degrees. The

chart at the right shows the comparison. The lowest and highest of the three curves represent results of the ACS surveys conducted in March of 1981 and 1982. The middle curve represents the results of the Battelle survey conducted in August of 1981. Thus, the only available comparison indicates that the two surveys are consistent.

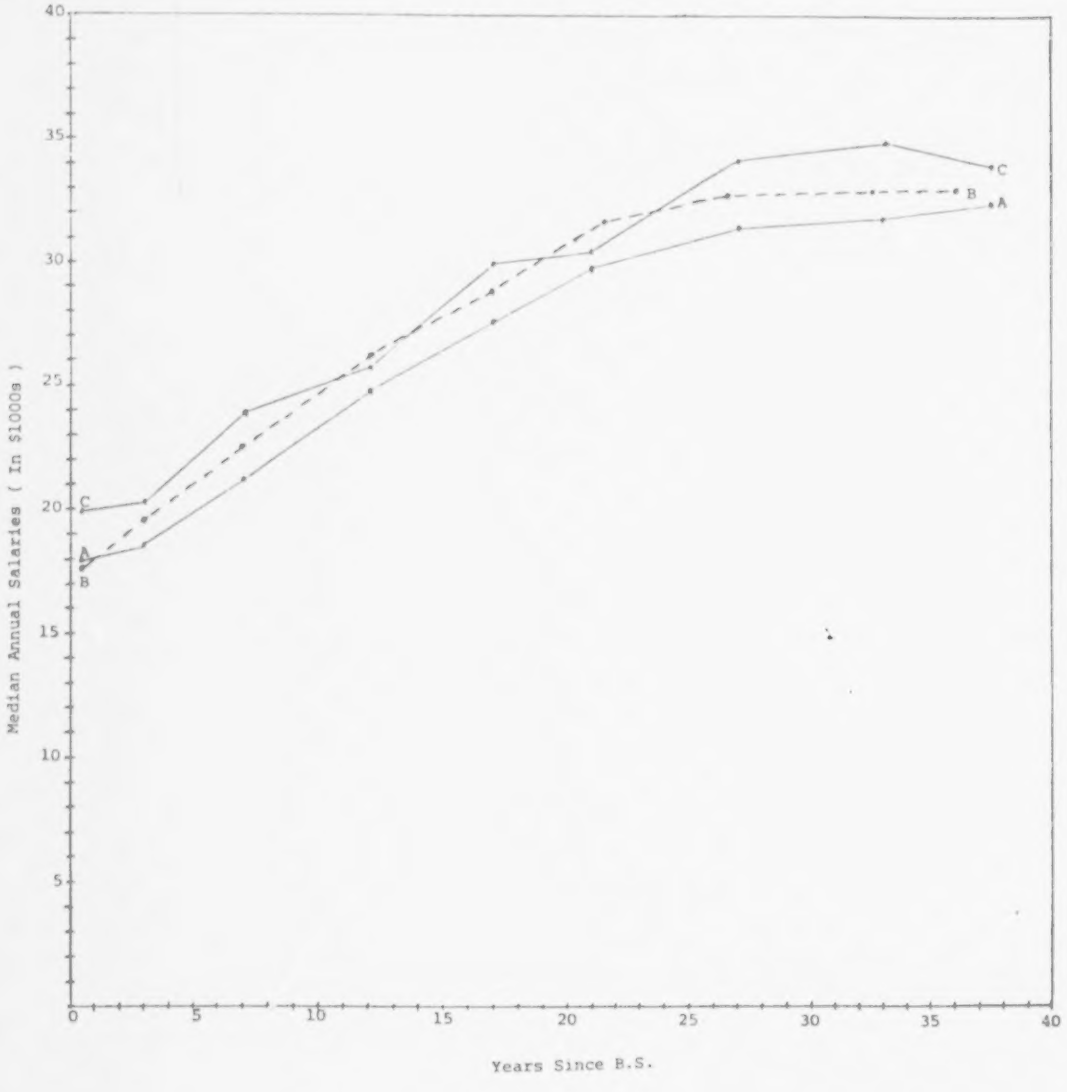
## Special Research Questions on the 1982 Survey Questionnaire

Later reports from the Office of Manpower Studies will present results of further research into the data from this survey. One of these reports will investigate chemical specialties and will emphasize analytical chemistry.

Also in 1982 the ACS Education Division will issue its report examining responses to the special questions about continuing education.

Median Annual Salaries of BS, Non-Supervisory, R&D Chemists:

(A) ACS, March 1981
(B) Battelle, August 1981
(C) ACS, March 1982



LIST OF TABLES


| SALARIES OF RESPONDENTS | | | Page |
|---|---|---|---|
| Full-Time Chemists | | | |
| Highest Degree ------ Years Since BS ---------- | | 1.1.0 | 13 |
| | Men --------- | 1.1.1 | 14 |
| | Women ------- | 1.1.2 | 15 |
| Employer Type : Private Industry | | | |
| Sex ---------- Years Since BS -- | Bachelors --- | 1.2.1 | 16 |
| | Masters ----- | 1.2.2 | 17 |
| | Doctorate --- | 1.2.3 | 18 |
| Employer Type : Government | | | |
| Sex ---------- Years Since BS -- | Bachelors --- | 1.3.1 | 19 |
| | Masters ----- | 1.3.2 | 20 |
| | Doctorate --- | 1.3.3 | 21 |
| Employer Type : College/University | | | |
| Sex ---------- Years Since BS -- | Masters ----- | 1.4.1 | 22 |
| | Doctorate --- | 1.4.2 | 23 |
| Geographic Region --- Years Since BS -- | Bachelors --- | 1.5.1 | 24 |
| | Masters ----- | 1.5.2 | 25 |
| | Doctorate --- | 1.5.3 | 26 |
| Non-Academic Full-Time Chemists | | | |
| Highest Degree ------ Years Since BS -- | Men --------- | 2.1.1 | 27 |
| | Women ------- | 2.1.1 | 28 |
| Selected States ----- Years Since BS -- | Bachelors --- | 2.2.1 | 29 |
| | Masters ----- | 2.2.2 | 30 |
| | Doctorate --- | 2.2.3 | 31 |
| Local Section ------- Years Since BS -- | Bachelors --- | 2.3.1 | 32 |
| | Masters ----- | 2.3.2 | 33 |
| | Doctorate --- | 2.3.3 | 34 |
| Full-Time Chemists in Private Industry | | | |
| Highest Degree ------ Years Since BS ---------- | | 3.1.0 | 35 |
| Subordinates -------- Total ---------- | Bachelors --- | 3.2.1 | 36 |
| | Masters ----- | 3.2.2 | 37 |
| | Doctorate --- | 3.2.3 | 38 |
| Professional/Technical -- | Bachelors --- | 3.3.1 | 39 |
| | Masters ----- | 3.3.2 | 40 |
| | Doctorate --- | 3.3.3 | 41 |
| Work Function ------- Years Since BS -- | Bachelors --- | 3.4.1 | 42 |
| | Men ----- | 3.4.2 | 43 |
| | Women --- | 3.4.3 | 44 |
| | Masters ----- | 3.4.4 | 45 |
| | Men ----- | 3.4.5 | 46 |
| | Women --- | 3.4.6 | 47 |
| | Doctorate --- | 3.4.7 | 48 |
| | Men ----- | 3.4.8 | 49 |
| | Women --- | 3.4.9 | 50 |

| | | | | Page |
|---|---|---|---|---|
| Work Specialty | Years Since BS | Bachelors | 3.5.1 | 51 |
| | | Men | 3.5.2 | 52 |
| | | Women | 3.5.3 | 53 |
| | | Masters | 3.5.4 | 54 |
| | | Men | 3.5.5 | 55 |
| | | Women | 3.5.6 | 56 |
| | | Doctorate | 3.5.7 | 57 |
| | | Men | 3.5.8 | 58 |
| | | Women | 3.5.9 | 59 |
| Industry Employers | Years Since BS | Bachelors | 3.6.1 | 60 |
| | | Masters | 3.6.2 | 61 |
| | | Doctorate | 3.6.3 | 62 |
| **Chemists in Colleges or Universities** | | | | |
| Academic Employer | Rank | Doctorate | 4.7.1 | 63 |
| Academic Rank | Years Since BS | Doctorate | 4.7.2 | 64 |
| Work Specialty | Years Since BS | Doctorate | 4.7.3 | 65 |
| **Post-Doctoral Chemists** | | | | |
| School Type | Years Since BS | Doctorate | 5.1.1 | 66 |
| **Chemical Engineers** | | | | |
| Highest Degree | Years Since BS | | 6.1.1 | 67 |
| **EMPLOYMENT STATUS** | | | | |
| Employment Status | Major Field | | 7.1.0 | 68 |
| | Highest Degree | | 7.2.0 | 69 |
| | | Men | 7.2.1 | 70 |
| | | Women | 7.2.2 | 71 |
| | Age | | 7.3.0 | 72 |
| | Minority | | 7.4.0 | 73 |
| | Citizenship | | 7.5.0 | 74 |
| | Employer Type | | 7.6.0 | 75 |
| | | Non-academic | 7.6.1 | 76 |
| | | Academic | 7.6.2 | 77 |
| | Work Function | | 7.7.0 | 78 |
| | Work Specialty | | 7.8.0 | 79 |
| | Geographic Region | | 7.9.0 | 80 |

LENGTH OF UNEMPLOYMENT


| | | | Page |
|---|---|---|---|
| Length of Unemployment -- | Highest Degree | 8.1.0 | 81 |
| | Men | 8.1.1 | 82 |
| | Women | 8.1.2 | 83 |
| | Geographic Region | 8.2.0 | 84 |
| | Age | 8.3.0 | 85 |
| | Non-academic Work Function-- | 8.4.0 | 86 |
| | Work Specialty | 8.5.0 | 87 |


CHARACTERISTICS OF RESPONDENTS


| | | | |
|---|---|---|---|
| Sex | Highest Degree | 9.1.0 | 88 |
| Age | Highest Degree | 9.2.0 | 89 |
| | Men | 9.2.1 | 90 |
| | Women | 9.2.2 | 91 |
| Work Specialty | Highest Degree | 9.3.0 | 92 |
| Minority | Highest Degree | 9.4.0 | 93 |
| | Sex | 9.5.0 | 94 |
| | Citizenship | 9.6.0 | 95 |
| Local Section | Work Specialty | 9.7.0 | 96 |
| | Employment Status | 9.8.0 | 97 |
| | Sex | 9.9.0 | 98 |
| | Age | 9.10.0 | 99 |
| | Highest Degree | 9.11.0 | 100 |


POST-DOCTORAL RESPONDENTS


| | | | |
|---|---|---|---|
| Age | Years Since BS | 10.1.0 | 101 |
| Citizenship | Minority | 10.2.0 | 102 |
| Academic Employer | Minority | 10.3.0 | 103 |

## TECHNICAL NOTES

The target population of the 1982 Comprehensive Salary and Employment Status Survey is those ACS members who have U.S. mailing addresses, are not older than 70, and have neither student nor emeritus status.

On January 31, 1982 the ACS membership totalled 118,204, of which approximately 89,000 were eligible for inclusion in the sample. A systematic sample of 22,000 was selected from the target population.

The survey questionnaires were mailed to this sample of 22,000 members by bulk mail during the week of February 15-19. By the April 30 cut-off date, 12,040 (54.7%) usable questionnaires had been returned.

The survey data were processed by the Alpha-Micro computer at the ACS Office of Manpower Studies. Computer programs for the processing were written by Harry Foxwell, Bob Jones, and Sandy Schowgurow.

### Definitions

For the purposes of the survey analysis only, the following definitions were used:

Chemist: a respondent who indicated a work specialty of chemistry or biochemistry (categories 2 through 11 of question E on the questionnaire).

Chemical Engineer: a respondent who indicated a work specialty of chemical engineering (category 1 of question E on the questionnaire).

Unemployed: a respondent who is unemployed and seeking employment (category 3 of question C on the questionnaire).

This report presents the respondents' principal annual salaries as of March 1, 1982. The respondent's age is given as of March 1, 1982. A respondent's state and geographic region refer to place of residence, rather than place of employment.

### Proportions

The proportion of people falling within a certain cell in one of the tables is a sample proportion. The sample proportion is used to make statements about the corresponding population proportion, but, of course, the sample proportion generally is not exactly equal to the population proportion. Another useful type of estimate is the confidence interval. Such an interval estimate is illustrated in the following statement: "We assert with 95% confidence that the population proportion is between 0.04 and 0.06." A simple but

adequate formula for a confidence interval centered on the sample proportion is

$$p_{(lower)} = \hat{p} - z[\hat{p}(1-\hat{p})/n]^{1/2}$$

$$\text{and } p_{(upper)} = \hat{p} + z[\hat{p}(1-\hat{p})/n]^{1/2}$$

where $p_{(lower)}$ = lower boundary of the interval
$p_{(upper)}$ = upper boundary of the interval
$\hat{p}$ = the sample proportion
$z$ = a function of the level of confidence and is found in a table of the standard normal distribution
$n$ = the sample size

Inspection of the formula shows that the width of the confidence interval is inversely proportional to the square root of the sample size, so that proportions derived from small samples are not as precise as ones drawn from large samples. Also, if non-respondents differ from respondents with regard to the characteristics under consideration, the formula will overstate precision because the formula is based on an assumption of 100% response.

Suppose a confidence interval is required for a group containing 1900 sample members. If the sample contains 95 persons with a specific characteristic, then the numbers that go into the formula are $\hat{p} = 95/1900 = 0.05$ and $n = 1900$. For a 95% confidence interval, $z$ is about 2. Putting these numbers into the formula above we have

$$\begin{aligned} p_{(lower)} &= \hat{p} - z[\hat{p}(1-\hat{p})/n]^{1/2} \\ &= 0.05 - 2[0.05((0.95)/1900]^{1/2} \\ &= 0.05 - 0.01 \\ &= 0.04 \end{aligned}$$

$$\text{and similarly, } p_{(upper)} = 0.05 + 0.01 = 0.06$$

Thus, a 95% confidence interval for p is from 4.0% to 6.0%. Although we cannot say that the population proportion is exactly 5.0%, we can be confident that it is between 4.0% and 6.0%. The 95% level of confidence means roughly that if this procedure were followed a large number of times using different samples of the same size, the population proportion would be within the calculated interval about 95% of the time.

## Small Cell Counts

If the number of responses in a cell of a salary table is small, then the sample salary statistics for that cell may not accurately estimate the corresponding population salary statistics. In general, a cell containing fewer than 15 responses does not provide a useful estimate of the median salary, and a cell containing fewer than 25 responses does not provide a useful estimate of the 25th or the 75th salary percentile.

## Percentiles

If a sample of size n is arranged in ascending order of magnitude, the jth percentile Pj, j = 1,2...or 99 is given by the (j(n+1)/100)th value. If (j(n+1)/100) is not an integer, then the jth percentile is a weighted average of the two values whose ranks are closest to (j(n+1)/100).

## Discrepancies Among Tables

Some pairs of tables contain totals that should be identical but are not. For example, two tables that present information about PhD respondents should show the same total number of PhDs. They might, however, show different totals. To illustrate, if one table groups the PhDs according to specialty and the other groups them according to geographic region, the totals will differ unless the number who did not indicate their specialty is the same as the number who did not indicate their geographic region.

## Comparing Salaries

Often questions arise concerning B.S. chemists' salaries as compared with M.S. chemists', or chemists' salaries as compared with chemical engineers'. These and similar comparisons require caution.

Statistical tests should be performed to determine whether observed differences in salaries of various sample groups could be mere chance occurrences resulting from peculiarities of the sample. Whether a difference in salaries is "statistically significant" depends not only on the magnitude of the difference but also on the sample size and the magnitudes of the sample standard deviations.

References for statistical tests of significance can be found in Numerical and Statistical Techniques, by J. H. Pollard, Handbook of Tables for Probability and Statistics, published by the Chemical Rubber Company, and other similar texts.

## GEOGRAPHIC REGIONS

PACIFIC

- Alaska
- California
- Hawaii
- Oregon
- Washington

MOUNTAIN

- Arizona
- Colorado
- Idaho
- Montana
- Nevada
- New Mexico
- Utah
- Wyoming

WEST NORTH CENTRAL

- Iowa
- Kansas
- Minnesota
- Missouri
- Nebraska
- North Dakota
- South Dakota

WEST SOUTH CENTRAL

- Arkansas
- Louisiana
- Oklahoma
- Texas

EAST NORTH CENTRAL

- Illinois
- Indiana
- Michigan
- Ohio
- Wisconsin

EAST SOUTH CENTRAL

- Alabama
- Kentucky
- Mississippi
- Tennessee

MIDDLE ATLANTIC

- New Jersey
- New York
- Pennsylvania

SOUTH ATLANTIC

- Delaware
- District of Columbia
- Florida
- Georgia
- Maryland
- North Carolina
- South Carolina
- Virginia
- West Virginia

NEW ENGLAND

- Connecticut
- Maine
- Massachusetts
- New Hampshire
- Rhode Island
- Vermont

TABLE-1.1.0

SALARIES of FULL-TIME EMPLOYED CHEMISTS
by HIGHEST DEGREE and YEARS SINCE B.S.
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HIGHEST DEGREE | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Bachelors | 25,020 | 25,900 | 32,000 | 39,000 | 45,540 | 50,000 | 52,000 | 56,200 | 71,500 | 60,000 | --- | 48,000 - 90th %-ile |
| | 22,000 | 23,520 | 28,300 | 33,000 | 39,000 | 41,000 | 43,000 | 47,600 | 53,410 | 50,000 | --- | 37,000 - 75th %-ile |
| | 20,000 | 20,850 | 25,000 | 28,000 | 33,699 | 35,000 | 36,700 | 38,000 | 42,000 | 40,650 | 22,688 | 28,500 - Median |
| | 18,000 | 18,000 | 21,000 | 24,000 | 27,625 | 29,600 | 30,000 | 32,000 | 33,000 | 34,000 | --- | 22,111 - 25th %-ile |
| | 15,320 | 15,500 | 18,000 | 20,060 | 24,320 | 24,000 | 25,839 | 25,000 | 24,400 | 30,000 | --- | 18,500 - 10th %-ile |
| | 20,233 | 20,927 | 25,114 | 29,312 | 33,818 | 35,842 | 38,851 | 40,133 | 45,110 | 43,393 | 22,688 | 31,254 - Mean |
| | 3,729 | 4,302 | 5,747 | 8,994 | 9,154 | 10,440 | 12,408 | 13,385 | 17,983 | 13,424 | 724 | 12,674 - Std Dev |
| | 67 | 378 | 403 | 265 | 180 | 183 | 147 | 287 | 113 | 92 | 2 | 2,117 - Count |
| Masters | --- | 28,320 | 32,360 | 40,536 | 46,300 | 51,610 | 53,500 | 61,600 | 53,800 | 72,480 | 48,000 | 49,224 |
| | --- | 26,000 | 29,080 | 34,450 | 39,462 | 42,000 | 46,000 | 47,000 | 45,293 | 54,500 | 38,400 | 40,000 |
| | --- | 24,000 | 25,000 | 29,200 | 32,600 | 35,000 | 39,830 | 39,000 | 36,000 | 42,000 | 31,000 | 31,625 |
| | --- | 20,000 | 21,000 | 25,000 | 28,000 | 28,000 | 32,000 | 31,150 | 27,750 | 32,600 | 24,500 | 25,000 |
| | --- | 18,000 | 17,500 | 20,760 | 22,000 | 23,580 | 24,176 | 25,000 | 21,100 | 27,800 | 20,970 | 20,935 |
| | --- | 22,955 | 25,114 | 29,940 | 34,507 | 35,860 | 39,498 | 40,550 | 37,132 | 44,628 | 32,367 | 33,702 |
| | --- | 5,004 | 5,687 | 7,866 | 11,595 | 11,857 | 11,783 | 13,417 | 12,634 | 15,113 | 10,262 | 12,020 |
| | 0 | 37 | 233 | 248 | 156 | 152 | 134 | 207 | 81 | 57 | 163 | 1,468 |
| Doctorate | --- | --- | 37,510 | 44,000 | 50,000 | 56,000 | 62,500 | 65,000 | 67,945 | 73,000 | 56,000 | 57,500 |
| | --- | 60,000 | 34,437 | 38,709 | 42,829 | 48,000 | 52,000 | 56,000 | 54,000 | 57,750 | 47,000 | 47,200 |
| | --- | 31,000 | 31,650 | 33,593 | 35,700 | 40,000 | 42,150 | 46,500 | 44,770 | 46,500 | 36,000 | 37,530 |
| | --- | 20,000 | 28,000 | 28,000 | 28,000 | 30,000 | 34,000 | 36,000 | 36,000 | 38,000 | 30,000 | 30,000 |
| | --- | --- | 20,000 | 21,000 | 22,000 | 25,200 | 27,000 | 28,500 | 29,000 | 30,500 | 25,000 | 24,000 |
| | --- | 37,000 | 30,367 | 33,353 | 36,005 | 40,647 | 43,779 | 46,920 | 46,439 | 49,542 | 39,185 | 39,750 |
| | --- | 20,664 | 6,381 | 9,220 | 10,820 | 13,254 | 14,144 | 15,158 | 14,911 | 16,535 | 13,192 | 13,786 |
| | 0 | 3 | 358 | 700 | 861 | 732 | 522 | 543 | 280 | 289 | 510 | 4,798 |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 56,490 | 56,490 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 44,300 | 44,300 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 34,050 | 34,050 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 27,075 | 27,075 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 22,000 | 22,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 36,768 | 36,768 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 13,612 | 13,612 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 80 |
| TOTAL | 25,020 | 26,026 | 35,000 | 42,300 | 49,000 | 55,000 | 60,000 | 63,000 | 65,000 | 70,060 | 55,000 | 54,560 |
| | 22,000 | 24,000 | 31,925 | 37,000 | 41,723 | 46,000 | 50,000 | 52,000 | 52,000 | 56,000 | 45,000 | 44,000 |
| | 20,000 | 21,000 | 27,000 | 31,000 | 35,000 | 37,000 | 40,000 | 42,000 | 42,547 | 44,925 | 35,000 | 34,700 |
| | 18,000 | 18,500 | 22,000 | 25,200 | 28,000 | 30,000 | 33,000 | 33,100 | 34,000 | 36,000 | 28,565 | 26,800 |
| | 15,320 | 15,500 | 18,400 | 20,940 | 22,000 | 25,000 | 26,000 | 26,580 | 26,000 | 30,000 | 22,280 | 21,000 |
| | 20,233 | 21,222 | 27,006 | 31,773 | 35,481 | 39,141 | 42,163 | 43,770 | 44,532 | 47,611 | 37,413 | 36,547 |
| | 3,729 | 4,804 | 6,475 | 9,095 | 10,718 | 12,804 | 13,635 | 14,710 | 15,695 | 15,949 | 12,953 | 13,744 |
| | 67 | 418 | 994 | 1,213 | 1,197 | 1,067 | 803 | 1,037 | 474 | 438 | 755 | 8,463 |

TABLE-1.1.1

SALARIES of FULL-TIME EMPLOYED CHEMISTS
by HIGHEST DEGREE and YEARS SINCE BS - Men Only
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HIGHEST DEGREE | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Bachelors | 22,900 | 24,000 | 29,000 | 34,000 | 39,000 | 41,570 | 45,250 | 48,000 | 55,000 | 50,000 | --- | 39,000 - 75th %-ile |
| | 20,000 | 21,325 | 25,100 | 28,530 | 33,000 | 36,000 | 37,000 | 39,000 | 43,000 | 40,000 | 22,688 | 30,000 - Median |
| | 18,000 | 16,798 | 21,500 | 21,716 | 24,363 | 26,522 | 28,700 | 28,173 | 34,839 | 34,000 | --- | 20,906 - 25th %-ile |
| | 20,282 | 21,325 | 25,560 | 29,900 | 33,766 | 36,400 | 40,007 | 40,910 | 46,315 | 42,696 | 22,688 | 32,730 - Mean |
| | 4,098 | 4,620 | 5,692 | 9,382 | 9,684 | 9,756 | 12,480 | 13,233 | 17,920 | 13,070 | 724 | 12,958 - Std Dev |
| | 35 | 240 | 307 | 228 | 149 | 158 | 130 | 265 | 99 | 83 | 2 | 1,696 - Count |
| Masters | --- | 26,400 | 29,280 | 35,000 | 40,000 | 43,000 | 46,641 | 49,000 | 48,000 | 54,250 | 40,000 | 41,334 |
| | --- | 24,500 | 25,600 | 30,000 | 33,000 | 36,000 | 40,000 | 40,000 | 38,000 | 42,000 | 32,000 | 33,000 |
| | --- | 20,200 | 19,400 | 23,261 | 26,185 | 29,500 | 29,261 | 33,000 | 26,556 | 31,994 | 23,650 | 21,898 |
| | --- | 24,204 | 25,475 | 30,653 | 35,851 | 37,723 | 40,312 | 42,137 | 39,552 | 44,955 | 33,641 | 35,263 |
| | --- | 3,885 | 5,503 | 8,004 | 11,555 | 11,851 | 11,620 | 12,888 | 12,480 | 14,920 | 10,205 | 12,134 |
| | 0 | 25 | 165 | 206 | 133 | 123 | 117 | 187 | 65 | 54 | 134 | 1,209 |
| Doctorate | --- | 60,000 | 34,500 | 39,000 | 43,200 | 48,600 | 52,000 | 56,000 | 55,000 | 57,500 | 43,000 | 48,000 |
| | --- | 31,000 | 31,600 | 33,900 | 36,480 | 40,000 | 43,000 | 46,633 | 45,000 | 47,000 | 37,000 | 38,200 |
| | --- | 20,000 | 22,863 | 24,400 | 29,000 | 30,000 | 34,000 | 31,080 | 36,000 | 38,080 | 27,742 | 30,500 |
| | --- | 37,000 | 30,292 | 35,487 | 36,768 | 40,979 | 44,201 | 47,366 | 47,103 | 49,669 | 39,969 | 40,315 |
| | --- | 20,664 | 6,504 | 9,182 | 10,775 | 13,241 | 14,130 | 14,899 | 15,119 | 16,297 | 13,342 | 13,820 |
| | 0 | 3 | 305 | 622 | 767 | 633 | 495 | 514 | 255 | 263 | 460 | 4,367 |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 44,875 | 44,875 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 35,700 | 35,700 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 25,077 | 25,077 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 37,416 | 37,416 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 15,473 | 15,473 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 | 66 |
| TOTAL | 22,900 | 24,225 | 32,000 | 37,748 | 42,000 | 46,405 | 50,000 | 53,000 | 53,000 | 55,750 | 46,000 | 45,000 |
| | 20,000 | 21,650 | 27,500 | 31,586 | 35,100 | 38,990 | 41,000 | 42,500 | 44,000 | 44,925 | 36,000 | 35,500 |
| | 18,000 | 17,291 | 19,000 | 22,450 | 24,210 | 25,641 | 29,305 | 29,564 | 35,000 | 32,063 | 26,061 | 23,734 |
| | 20,282 | 21,769 | 27,399 | 32,160 | 36,226 | 39,813 | 42,853 | 44,583 | 45,793 | 47,586 | 38,382 | 37,704 |
| | 4,098 | 5,196 | 6,416 | 9,144 | 10,771 | 12,685 | 13,602 | 14,385 | 15,661 | 15,743 | 13,022 | 13,750 |
| | 35 | 263 | 777 | 1,056 | 1,049 | 964 | 742 | 966 | 419 | 400 | 662 | 7,338 |

TABLE-1.1.2

SALARIES of FULL-TIME EMPLOYED CHEMISTS
by HIGHEST DEGREE and YEARS SINCE BS - Women Only
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HIGHEST DEGREE | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Bachelors | 22,000 | 22,940 | 27,000 | 28,950 | 39,150 | 35,000 | 36,522 | 35,000 | 44,525 | 59,326 | --- | 27,270 - 75th %-ile |
| | 20,000 | 20,000 | 24,000 | 25,000 | 35,000 | 32,000 | 29,000 | 24,000 | 27,820 | 45,000 | --- | 22,815 - Median |
| | 18,075 | 18,000 | 19,688 | 22,500 | 28,214 | 22,500 | 24,425 | 20,701 | 22,250 | 33,368 | --- | 19,483 - 25th %-ile |
| | 20,179 | 20,252 | 23,679 | 25,351 | 33,867 | 32,042 | 29,776 | 28,943 | 34,539 | 46,078 | --- | 24,638 - Mean |
| | 3,342 | 3,604 | 5,749 | 4,696 | 6,106 | 13,058 | 7,910 | 12,940 | 16,833 | 15,635 | --- | 8,615 - Std Dev |
| | 32 | 137 | 94 | 34 | 30 | 23 | 14 | 15 | 12 | 5 | 0 | 396 - Count |
| Masters | --- | 24,894 | 28,300 | 30,000 | 34,000 | 33,500 | 37,462 | 27,250 | 36,000 | 62,000 | 34,000 | 30,900 |
| | --- | 21,500 | 24,000 | 27,000 | 29,000 | 28,245 | 30,000 | 25,000 | 24,500 | 33,200 | 23,000 | 25,000 |
| | --- | 18,625 | 20,000 | 21,000 | 19,000 | 19,800 | 23,176 | 19,900 | 20,000 | 21,000 | 20,400 | 20,000 |
| | --- | 20,353 | 24,116 | 26,671 | 27,454 | 28,117 | 29,983 | 24,466 | 27,052 | 38,733 | 26,717 | 26,078 |
| | --- | 6,171 | 6,024 | 6,265 | 8,423 | 8,427 | 7,552 | 8,230 | 7,834 | 21,053 | 8,456 | 7,766 |
| | 0 | 12 | 67 | 39 | 21 | 27 | 13 | 17 | 15 | 3 | 27 | 241 |
| Doctorate | --- | --- | 34,562 | 36,375 | 35,025 | 36,750 | 44,860 | 48,000 | 42,825 | 43,248 | 34,000 | 36,900 |
| | --- | --- | 31,750 | 31,500 | 27,750 | 32,000 | 33,814 | 32,000 | 37,951 | 40,000 | 30,000 | 31,000 |
| | --- | --- | 27,875 | 27,125 | 22,000 | 26,410 | 25,000 | 21,750 | 30,875 | 27,500 | 25,000 | 25,000 |
| | --- | --- | 30,798 | 32,200 | 29,050 | 33,389 | 34,621 | 35,711 | 36,251 | 41,582 | 30,657 | 32,127 |
| | --- | --- | 5,810 | 9,865 | 8,843 | 10,124 | 13,546 | 16,647 | 8,025 | 19,454 | 8,218 | 10,538 |
| | 0 | 0 | 50 | 72 | 82 | 38 | 20 | 24 | 17 | 13 | 43 | 359 |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 37,550 | 37,550 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 30,000 | 30,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 18,750 | 18,750 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 30,904 | 30,904 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 13,297 | 13,297 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 |
| TOTAL | 22,000 | 23,000 | 30,000 | 33,750 | 36,000 | 35,000 | 39,000 | 35,750 | 40,119 | 46,451 | 34,000 | 33,000 |
| | 20,000 | 20,000 | 25,000 | 28,245 | 29,000 | 30,900 | 30,000 | 25,500 | 31,000 | 40,000 | 28,000 | 25,900 |
| | 18,075 | 18,111 | 20,800 | 23,353 | 23,947 | 24,000 | 24,500 | 20,175 | 22,775 | 28,750 | 22,500 | 20,950 |
| | 20,179 | 20,260 | 25,505 | 29,107 | 29,884 | 31,419 | 31,895 | 30,485 | 32,648 | 42,245 | 29,338 | 27,715 |
| | 3,342 | 3,843 | 6,534 | 8,551 | 8,480 | 10,655 | 10,535 | 14,212 | 11,553 | 18,058 | 9,053 | 9,800 |
| | 32 | 149 | 211 | 145 | 133 | 88 | 47 | 56 | 44 | 21 | 79 | 1,005 |

TABLE-1.2.1

SALARIES of B.S. CHEMISTS EMPLOYED FULL-TIME In PRIVATE INDUSTRY
by SEX and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEX | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Men | 22,950 | 24,000 | 29,000 | 35,000 | 40,000 | 43,000 | 47,000 | 49,000 | 55,125 | 48,000 | --- | 40,000 - 75th %-ile |
| | 21,000 | 22,000 | 26,000 | 30,000 | 34,560 | 36,850 | 37,500 | 40,000 | 45,400 | 40,000 | 22,688 | 30,600 - Median |
| | 18,000 | 19,200 | 22,850 | 25,000 | 28,800 | 30,250 | 32,500 | 33,000 | 36,000 | 34,000 | --- | 24,354 - 25th %-ile |
| | 21,142 | 21,954 | 26,034 | 30,745 | 34,993 | 38,059 | 40,863 | 41,925 | 48,084 | 42,155 | 22,688 | 33,538 - Mean |
| | 3,735 | 4,373 | 5,221 | 9,046 | 9,795 | 9,720 | 12,972 | 13,669 | 17,425 | 13,086 | 724 | 13,113 - Std Dev |
| | 29 | 199 | 248 | 181 | 115 | 116 | 103 | 219 | 82 | 67 | 2 | 1,361 - Count |
| Women | 22,000 | 23,126 | 27,375 | 28,000 | 39,700 | 35,500 | 40,000 | 50,750 | 62,400 | 45,000 | --- | 27,000 |
| | 20,500 | 20,460 | 25,000 | 25,000 | 35,086 | 32,660 | 32,000 | 29,500 | 41,600 | 37,236 | --- | 23,000 |
| | 18,700 | 18,800 | 21,000 | 22,750 | 28,250 | 21,000 | 25,500 | 21,289 | 31,250 | 29,500 | --- | 20,000 |
| | 20,603 | 20,820 | 24,323 | 25,607 | 34,277 | 29,787 | 32,713 | 33,942 | 45,780 | 37,245 | --- | 24,581 |
| | 3,230 | 3,437 | 4,778 | 4,410 | 6,483 | 9,467 | 7,386 | 15,419 | 19,241 | 7,750 | --- | 7,665 |
| | 27 | 113 | 72 | 27 | 18 | 14 | 7 | 8 | 5 | 3 | 0 | 294 |
| No Response | --- | --- | --- | --- | --- | --- | --- | 44,500 | --- | 68,500 | --- | 49,000 |
| | --- | --- | 20,000 | 31,825 | 40,000 | 35,500 | 24,500 | 40,000 | 42,000 | 58,000 | --- | 40,000 |
| | --- | --- | --- | --- | --- | --- | --- | 27,750 | --- | 37,000 | --- | 27,750 |
| | --- | --- | 20,000 | 31,825 | 40,000 | 35,500 | 24,500 | 36,900 | 42,000 | 54,500 | --- | 39,038 |
| | --- | --- | --- | 460 | --- | 27,577 | --- | 8,620 | --- | 16,763 | --- | 14,985 |
| | 0 | 0 | 1 | 2 | 1 | 2 | 1 | 5 | 1 | 4 | 0 | 17 |
| TOTAL | 22,675 | 24,000 | 28,800 | 34,000 | 40,000 | 42,620 | 46,000 | 48,875 | 55,000 | 48,075 | --- | 38,000 |
| | 20,750 | 21,500 | 25,450 | 29,000 | 34,856 | 36,000 | 37,000 | 40,000 | 44,500 | 40,000 | 22,688 | 29,000 |
| | 18,300 | 19,000 | 22,000 | 24,825 | 28,725 | 30,000 | 31,000 | 33,000 | 36,075 | 33,950 | --- | 23,000 |
| | 20,882 | 21,543 | 25,631 | 30,095 | 34,934 | 37,143 | 40,201 | 41,542 | 47,884 | 42,623 | 22,688 | 32,019 |
| | 3,479 | 4,089 | 5,169 | 8,712 | 9,375 | 10,208 | 12,854 | 13,690 | 17,332 | 13,309 | 724 | 12,827 |
| | 56 | 312 | 321 | 210 | 134 | 132 | 111 | 232 | 88 | 74 | 2 | 1,672 |

TABLE-1.2.2

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME in PRIVATE INDUSTRY
by SEX and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEX | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Men | --- | 26,000 | 30,000 | 36,000 | 40,000 | 43,900 | 49,750 | 50,000 | 48,000 | 55,000 | 40,600 | 42,525 - 75th %-ile |
| | --- | 24,250 | 26,600 | 30,850 | 35,000 | 40,000 | 42,300 | 42,000 | 38,500 | 43,000 | 35,000 | 35,000 - Median |
| | --- | 21,200 | 23,250 | 26,835 | 30,525 | 32,000 | 38,625 | 35,690 | 33,000 | 38,000 | 27,950 | 28,000 - 25th %-ile |
| | --- | 24,087 | 26,827 | 32,177 | 37,290 | 40,218 | 43,608 | 44,068 | 40,782 | 47,200 | 35,113 | 36,836 - Mean |
| | --- | 3,924 | 5,043 | 7,574 | 11,678 | 12,971 | 10,761 | 12,499 | 12,369 | 14,027 | 9,999 | 12,201 - Std Dev |
| | 0 | 24 | 126 | 150 | 104 | 72 | 76 | 145 | 45 | 43 | 97 | 882 - Count |
| Women | --- | 25,750 | 30,000 | 32,238 | 38,232 | 36,750 | 40,075 | 38,875 | 36,730 | --- | 34,000 | 34,000 |
| | --- | 24,288 | 24,800 | 27,640 | 30,500 | 32,000 | 37,462 | 30,500 | 28,936 | 47,600 | 27,200 | 27,350 |
| | --- | 20,600 | 21,960 | 25,800 | 28,875 | 26,410 | 32,650 | 20,000 | 22,843 | --- | 22,500 | 23,000 |
| | --- | 23,455 | 25,555 | 28,166 | 31,071 | 31,848 | 36,004 | 30,083 | 29,503 | 47,600 | 23,900 | 28,347 |
| | --- | 2,718 | 5,429 | 5,382 | 8,171 | 8,436 | 5,340 | 9,563 | 7,618 | 20,365 | 8,089 | 7,474 |
| | 0 | 8 | 51 | 26 | 10 | 14 | 6 | 6 | 4 | 2 | 19 | 146 |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | 32,400 | 23,500 | --- | 25,000 | 34,000 | 38,200 | --- | --- | 16,000 | 35,050 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 28,700 |
| | --- | --- | 32,400 | 23,500 | --- | 25,000 | 34,000 | 38,200 | --- | --- | 16,000 | 21,625 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 28,183 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8,154 |
| | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 6 |
| TOTAL | --- | 26,000 | 30,000 | 36,000 | 40,000 | 43,000 | 49,000 | 49,380 | 46,793 | 55,000 | 40,000 | 41,072 |
| | --- | 24,250 | 26,200 | 30,000 | 34,500 | 36,000 | 41,808 | 41,000 | 37,440 | 43,000 | 32,000 | 33,000 |
| | --- | 21,200 | 23,000 | 26,500 | 30,000 | 30,046 | 37,810 | 35,125 | 32,000 | 37,825 | 26,000 | 27,150 |
| | --- | 23,929 | 26,493 | 31,539 | 36,745 | 38,696 | 42,943 | 43,478 | 39,861 | 47,218 | 33,941 | 35,630 |
| | --- | 3,629 | 5,182 | 7,421 | 11,521 | 12,705 | 10,610 | 12,636 | 12,394 | 14,044 | 10,049 | 12,012 |
| | 0 | 32 | 178 | 177 | 114 | 87 | 83 | 152 | 49 | 45 | 117 | 1,034 |

TABLE-1.2.3

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME In PRIVATE INDUSTRY
by SEX and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEX | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Men | --- | 60,000 | 35,000 | 41,400 | 47,475 | 55,000 | 60,000 | 62,000 | 60,000 | 65,000 | 52,000 | 52,000 - 75th %-ile |
| | --- | 31,000 | 33,000 | 36,696 | 41,500 | 46,850 | 50,000 | 52,500 | 50,000 | 54,288 | 41,000 | 42,840 - Median |
| | --- | 20,000 | 30,625 | 33,000 | 36,850 | 41,000 | 42,000 | 44,000 | 43,000 | 45,000 | 34,860 | 35,400 - 25th %-ile |
| | --- | 37,000 | 33,096 | 37,677 | 42,457 | 49,212 | 52,125 | 53,523 | 52,876 | 56,562 | 44,489 | 45,335 - Mean |
| | --- | 20,664 | 3,635 | 7,647 | 9,154 | 12,508 | 13,384 | 13,899 | 15,190 | 15,825 | 13,115 | 13,347 - Std Dev |
| | 0 | 3 | 212 | 359 | 396 | 310 | 223 | 249 | 109 | 103 | 265 | 2,229 - Count |
| Women | --- | --- | 35,550 | 38,800 | 42,000 | 52,494 | 64,250 | --- | 44,825 | --- | 40,025 | 39,000 |
| | --- | --- | 33,500 | 33,800 | 38,000 | 35,640 | 43,000 | 46,000 | 42,825 | 98,000 | 33,100 | 34,435 |
| | --- | --- | 30,435 | 30,500 | 35,000 | 29,760 | 32,213 | --- | 38,726 | --- | 31,150 | 30,934 |
| | --- | --- | 33,025 | 35,288 | 38,150 | 40,510 | 46,488 | 48,000 | 42,125 | 98,000 | 36,144 | 36,680 |
| | --- | --- | 3,924 | 7,180 | 8,614 | 13,397 | 17,153 | 0 | 3,287 | --- | 8,714 | 9,756 |
| | 0 | 0 | 38 | 43 | 19 | 9 | 4 | 2 | 4 | 1 | 16 | 136 |
| No Response | --- | --- | --- | --- | 46,500 | 79,125 | --- | --- | 60,000 | 74,275 | 49,500 | 54,750 |
| | --- | --- | --- | 33,600 | 42,000 | 50,500 | 52,000 | --- | 51,000 | 58,250 | 36,000 | 44,500 |
| | --- | --- | --- | --- | 40,000 | 40,775 | --- | --- | 34,600 | 36,700 | 35,100 | 35,700 |
| | --- | --- | --- | 33,600 | 43,000 | 56,800 | 52,000 | --- | 48,533 | 56,275 | 41,040 | 48,657 |
| | --- | --- | --- | 1,980 | 3,536 | 21,401 | --- | --- | 12,878 | 18,590 | 8,655 | 15,059 |
| | 0 | 0 | 0 | 2 | 5 | 4 | 1 | 0 | 3 | 8 | 5 | 28 |
| TOTAL | --- | 60,000 | 35,010 | 41,000 | 47,150 | 55,000 | 60,000 | 62,000 | 60,000 | 67,000 | 51,593 | 51,350 |
| | --- | 31,000 | 33,000 | 36,500 | 41,050 | 46,800 | 50,000 | 52,000 | 50,000 | 54,644 | 40,450 | 42,000 |
| | --- | 20,000 | 30,580 | 32,525 | 36,613 | 41,000 | 42,000 | 44,000 | 42,340 | 44,475 | 34,150 | 35,000 |
| | --- | 37,000 | 33,085 | 37,403 | 42,269 | 49,064 | 52,026 | 53,479 | 52,393 | 56,911 | 43,961 | 44,882 |
| | --- | 20,664 | 3,673 | 7,612 | 9,117 | 12,715 | 13,402 | 13,852 | 14,971 | 16,348 | 12,969 | 13,343 |
| | 0 | 3 | 250 | 404 | 420 | 323 | 228 | 251 | 116 | 112 | 286 | 2,393 |

TABLE-1.3.1

SALARIES of B.S. CHEMISTS EMPLOYED FULL-TIME in GOVERNMENT
by SEX and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEX | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Men | --- | 19,800 | 25,254 | 26,000 | 33,500 | 39,000 | 41,986 | 40,130 | 47,631 | 56,125 | --- | 36,000 - 75th %-ile |
| | 15,433 | 17,000 | 20,500 | 24,600 | 29,310 | 31,800 | 36,700 | 35,400 | 38,000 | 42,750 | --- | 28,000 - Median |
| | --- | 14,208 | 18,450 | 21,300 | 24,875 | 26,000 | 29,750 | 30,000 | 25,750 | 35,897 | --- | 21,600 - 25th %-ile |
| | 15,433 | 17,610 | 22,155 | 23,398 | 30,111 | 32,377 | 36,540 | 35,691 | 36,500 | 44,953 | --- | 29,557 - Mean |
| | 3,631 | 3,488 | 4,707 | 4,551 | 7,215 | 6,891 | 8,190 | 8,962 | 12,812 | 10,627 | --- | 10,170 - Std Dev |
| | 2 | 15 | 30 | 23 | 18 | 28 | 17 | 29 | 9 | 8 | 0 | 179 - Count |
| Women | --- | 20,000 | 21,900 | --- | 36,975 | 37,222 | 35,781 | 31,424 | 29,230 | --- | --- | 30,730 |
| | 15,991 | 17,000 | 17,400 | 26,848 | 33,897 | 32,000 | 31,000 | 21,000 | 24,000 | 47,652 | --- | 23,000 |
| | --- | 14,000 | 16,075 | --- | 25,855 | 24,000 | 20,000 | 19,633 | 21,818 | --- | --- | 18,225 |
| | 15,991 | 17,386 | 18,380 | 26,848 | 31,911 | 30,889 | 28,927 | 24,623 | 25,016 | 47,652 | --- | 24,486 |
| | --- | 3,650 | 3,474 | 4,641 | 6,090 | 7,280 | 8,092 | 6,378 | 4,025 | --- | --- | 3,190 |
| | 1 | 7 | 9 | 2 | 5 | 5 | 3 | 5 | 4 | 1 | 0 | 42 |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 36,000 |
| | --- | --- | --- | --- | --- | --- | --- | 29,200 | 36,000 | --- | --- | 33,400 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 25,000 |
| | --- | --- | --- | --- | --- | --- | --- | 29,200 | 36,000 | --- | --- | 31,467 |
| | --- | --- | --- | --- | --- | --- | --- | 5,940 | --- | --- | --- | 5,749 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| TOTAL | 18,000 | 19,850 | 25,000 | 26,250 | 33,950 | 39,000 | 41,320 | 39,750 | 42,342 | 54,750 | --- | 35,300 |
| | 15,991 | 17,000 | 20,000 | 24,600 | 30,000 | 32,000 | 35,781 | 33,649 | 33,170 | 44,500 | --- | 26,330 |
| | 12,865 | 14,156 | 18,000 | 21,300 | 25,000 | 25,985 | 29,625 | 26,370 | 22,606 | 36,993 | --- | 20,726 |
| | 15,619 | 17,539 | 21,284 | 23,674 | 30,502 | 32,152 | 35,398 | 33,793 | 33,183 | 45,253 | --- | 28,632 |
| | 2,588 | 3,454 | 4,695 | 4,560 | 6,895 | 6,855 | 8,436 | 9,280 | 11,554 | 9,981 | --- | 9,961 |
| | 3 | 22 | 39 | 25 | 25 | 33 | 20 | 36 | 14 | 9 | 0 | 224 |

TABLE-1.3.2

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME in GOVERNMENT
by SEX and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEX | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Men | --- | --- | 24,088 | 32,518 | 41,307 | 42,833 | 39,000 | 46,500 | 54,000 | 44,048 | 41,000 | 40,440 - 75th %-ile |
| | --- | --- | 21,050 | 28,650 | 31,500 | 37,256 | 36,000 | 36,700 | 50,000 | 27,000 | 33,350 | 33,000 - Median |
| | --- | --- | 18,500 | 24,250 | 24,000 | 33,149 | 31,000 | 33,750 | 41,000 | 21,644 | 29,187 | 25,088 - 25th %-ile |
| | --- | --- | 21,968 | 29,204 | 32,781 | 37,808 | 34,608 | 39,822 | 46,629 | 31,677 | 35,710 | 33,536 - Mean |
| | --- | --- | 4,650 | 6,678 | 10,078 | 8,494 | 6,831 | 8,417 | 9,621 | 12,901 | 7,840 | 9,792 - Std Dev |
| | 0 | 0 | 14 | 28 | 14 | 21 | 15 | 13 | 7 | 5 | 11 | 128 - Count |
| Women | --- | --- | 29,000 | 29,600 | 35,692 | 35,781 | --- | --- | 38,100 | --- | --- | 34,423 |
| | --- | 19,250 | 20,520 | 28,245 | 27,200 | 28,245 | 22,676 | 25,000 | 36,000 | 21,000 | 38,000 | 25,500 |
| | --- | --- | 17,500 | 18,200 | 27,000 | 24,020 | --- | --- | 20,750 | --- | --- | 20,390 |
| | --- | 19,250 | 22,704 | 26,078 | 29,964 | 29,349 | 22,676 | 25,000 | 30,740 | 21,000 | 38,000 | 26,519 |
| | --- | 1,061 | 6,860 | 7,811 | 4,962 | 5,958 | 2,370 | --- | 9,888 | --- | --- | 7,416 |
| | 0 | 2 | 5 | 7 | 3 | 3 | 2 | 1 | 5 | 1 | 1 | 30 |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 31,617 |
| | --- | --- | --- | --- | --- | 26,700 | --- | 29,978 | --- | --- | 30,600 | 29,300 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 27,025 |
| | --- | --- | --- | --- | --- | 26,700 | --- | 29,978 | --- | --- | 30,600 | 29,314 |
| | --- | --- | --- | --- | --- | --- | --- | 2,797 | --- | --- | --- | 2,394 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 4 |
| TOTAL | --- | --- | 24,000 | 31,071 | 41,038 | 41,400 | 38,350 | 43,637 | 50,205 | 40,274 | 40,500 | 38,125 |
| | --- | 19,250 | 21,000 | 28,300 | 30,000 | 37,000 | 35,800 | 35,400 | 39,750 | 26,000 | 33,350 | 31,000 |
| | --- | --- | 17,500 | 23,000 | 25,176 | 28,657 | 25,176 | 30,969 | 30,474 | 20,322 | 29,894 | 24,352 |
| | --- | 19,250 | 22,161 | 28,579 | 32,284 | 36,348 | 33,205 | 37,665 | 40,009 | 29,897 | 35,493 | 32,132 |
| | --- | 1,061 | 5,117 | 6,913 | 9,318 | 8,657 | 7,542 | 8,933 | 12,369 | 12,335 | 7,334 | 9,659 |
| | 0 | 2 | 19 | 35 | 17 | 25 | 17 | 16 | 12 | 6 | 13 | 167 |

TABLE-1.3.3

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME in GOVERNMENT
by SEX and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEX | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Men | --- | --- | 33,700 | 37,223 | 42,926 | 46,000 | 52,000 | 55,000 | 54,875 | 53,750 | 42,867 | 47,000 - 75th %-ile |
| | --- | --- | 30,250 | 32,700 | 35,000 | 42,000 | 43,727 | 50,000 | 45,075 | 44,250 | 36,973 | 40,000 - Median |
| | --- | --- | 28,000 | 29,284 | 31,600 | 36,000 | 37,[illegible] | 42,000 | 40,000 | 39,625 | 33,661 | 33,492 - 25th %-ile |
| | --- | --- | 30,842 | 33,035 | 36,753 | 41,223 | 44,027 | 48,688 | 45,255 | 45,158 | 38,379 | 40,444 - Mean |
| | --- | --- | 4,278 | 5,974 | 7,804 | 6,353 | 9,893 | 8,141 | 10,157 | 9,025 | 8,988 | 9,501 - Std Dev |
| | 0 | 0 | 12 | 53 | 77 | 55 | 45 | 47 | 26 | 30 | 32 | 377 - Count |
| Women | --- | --- | 30,000 | 37,300 | 39,995 | 47,425 | 48,140 | 63,570 | --- | 58,000 | 37,155 | 40,425 |
| | --- | --- | 29,123 | 33,586 | 32,568 | 37,353 | 40,539 | 60,990 | 42,847 | 41,246 | 32,000 | 34,706 |
| | --- | --- | 27,349 | 29,100 | 23,500 | 32,677 | 36,412 | 35,625 | --- | 40,000 | 27,100 | 29,600 |
| | --- | --- | 28,824 | 32,920 | 31,409 | 39,152 | 41,928 | 53,395 | 42,847 | 46,415 | 32,102 | 36,946 |
| | --- | --- | 1,443 | 4,682 | 7,988 | 7,898 | 6,397 | 17,096 | 6,761 | 10,052 | 5,697 | 10,172 |
| | 0 | 0 | 4 | 11 | 7 | 4 | 5 | 4 | 2 | 3 | 5 | 45 |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 46,250 |
| | --- | --- | 32,000 | 35,000 | 33,000 | --- | --- | --- | --- | 50,000 | --- | 34,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 32,250 |
| | --- | --- | 32,000 | 35,000 | 33,000 | --- | --- | --- | --- | 50,000 | --- | 37,500 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8,426 |
| | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| TOTAL | --- | --- | 32,650 | 37,123 | 42,653 | 46,000 | 51,025 | 56,000 | 53,541 | 53,750 | 42,000 | 46,325 |
| | --- | --- | 30,000 | 33,000 | 35,000 | 41,935 | 43,697 | 50,000 | 45,075 | 44,250 | 36,000 | 40,000 |
| | --- | --- | 28,000 | 29,284 | 31,136 | 36,000 | 37,931 | 42,000 | 40,000 | 40,000 | 32,500 | 32,951 |
| | --- | --- | 30,435 | 33,046 | 36,269 | 41,083 | 43,817 | 49,057 | 45,083 | 45,411 | 37,531 | 40,047 |
| | --- | --- | 3,728 | 5,699 | 7,872 | 6,410 | 9,573 | 8,952 | 9,880 | 8,860 | 8,826 | 9,607 |
| | 0 | 0 | 17 | 65 | 85 | 59 | 50 | 51 | 28 | 34 | 37 | 426 |

TABLE-1.4.1

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME in COLLEGE/UNIVERSITY
by SEX and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEX | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Men | --- | --- | 20,250 | 24,850 | 30,000 | 28,000 | 35,250 | 31,150 | 47,000 | 42,000 | 29,000 | 28,000 - 75th %-ile |
| | --- | 27,000 | 17,600 | 21,400 | 23,500 | 25,975 | 26,850 | 26,000 | 25,000 | 28,600 | 22,500 | 24,000 - Median |
| | --- | --- | 15,375 | 17,250 | 20,397 | 24,000 | 24,000 | 21,800 | 21,000 | 28,000 | 19,958 | 20,029 - 25th %-ile |
| | --- | 27,000 | 18,129 | 21,369 | 24,754 | 26,649 | 28,970 | 27,300 | 31,362 | 32,867 | 24,574 | 25,073 - Mean |
| | --- | --- | 3,014 | 4,490 | 5,434 | 4,393 | 6,445 | 6,986 | 11,948 | 7,915 | 8,438 | 7,413 - Std Dev |
| | 0 | 1 | 14 | 13 | 8 | 15 | 10 | 11 | 7 | 3 | 17 | 99 - Count |
| Women | --- | --- | 19,000 | --- | 26,670 | 29,975 | --- | 26,875 | 20,800 | --- | 20,000 | 22,242 |
| | --- | 9,050 | 16,000 | 18,000 | 19,000 | 22,068 | --- | 22,400 | 20,000 | --- | 17,528 | 19,455 |
| | --- | --- | 13,500 | --- | 17,500 | 19,410 | --- | 11,625 | 19,762 | --- | 15,014 | 15,291 |
| | --- | 9,050 | 16,365 | 18,000 | 21,816 | 24,550 | --- | 20,300 | 20,187 | --- | 17,514 | 19,567 |
| | --- | 5,586 | 3,403 | --- | 6,970 | 6,579 | --- | 7,550 | 544 | --- | 2,871 | 6,336 |
| | 0 | 2 | 7 | 1 | 6 | 7 | 0 | 6 | 3 | 0 | 4 | 36 |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | 21,000 | 14,500 | --- | --- | --- | 31,000 | --- | --- | 31,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21,000 |
| | --- | --- | --- | 21,000 | 14,500 | --- | --- | --- | 31,000 | --- | --- | 14,500 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 22,167 |
| | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 8,312 |
| | | | | | | | | | | | | 3 |
| TOTAL | --- | 27,000 | 19,850 | 24,700 | 27,000 | 29,000 | 35,250 | 29,000 | 34,000 | 42,000 | 26,700 | 27,898 |
| | --- | 13,000 | 17,064 | 21,000 | 21,500 | 25,488 | 26,850 | 25,000 | 25,000 | 28,600 | 21,000 | 22,000 |
| | --- | 5,100 | 15,000 | 17,500 | 18,000 | 22,051 | 24,000 | 20,400 | 20,000 | 28,000 | 17,570 | 18,989 |
| | --- | 15,033 | 17,541 | 21,120 | 22,895 | 25,918 | 28,970 | 24,830 | 28,281 | 32,867 | 23,250 | 23,574 |
| | --- | 11,091 | 3,179 | 4,247 | 6,295 | 5,069 | 6,445 | 7,759 | 10,618 | 7,915 | 8,140 | 7,514 |
| | 0 | 3 | 21 | 15 | 15 | 22 | 10 | 17 | 11 | 3 | 21 | 138 |

TABLE-1.4.2

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME In COLLEGE/UNIVERSITY
by SEX and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEX | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Men | --- | --- | 23,375 | 28,000 | 31,734 | 36,000 | 40,000 | 45,000 | 49,450 | 51,000 | 37,000 | 37,800 - 75th %-ile |
| | --- | --- | 20,000 | 22,750 | 26,444 | 30,000 | 34,250 | 36,000 | 37,820 | 42,000 | 30,000 | 30,000 - Median |
| | --- | --- | 18,000 | 20,000 | 22,000 | 26,000 | 28,400 | 29,000 | 29,925 | 32,100 | 24,000 | 24,200 - 25th %-ile |
| | --- | --- | 21,178 | 24,574 | 27,629 | 31,851 | 35,544 | 37,725 | 40,532 | 43,411 | 32,041 | 32,485 - Mean |
| | --- | --- | 5,670 | 6,702 | 7,289 | 8,615 | 9,996 | 11,821 | 15,694 | 15,046 | 11,281 | 11,592 - Std Dev |
| | 0 | 0 | 64 | 167 | 250 | 274 | 199 | 171 | 96 | 111 | 130 | 1,462 - Count |
| Women | --- | --- | 21,000 | 23,250 | 28,583 | 33,418 | 28,000 | 33,488 | 37,925 | 40,125 | 27,950 | 30,600 |
| | --- | --- | 20,000 | 20,000 | 25,000 | 30,000 | 24,000 | 26,000 | 31,000 | 36,320 | 24,770 | 25,350 |
| | --- | --- | 17,500 | 18,150 | 20,900 | 24,500 | 17,316 | 21,000 | 27,575 | 25,750 | 22,000 | 21,000 |
| | --- | --- | 19,951 | 20,777 | 25,029 | 29,821 | 25,188 | 26,844 | 32,164 | 33,702 | 25,064 | 26,316 |
| | --- | --- | 2,881 | 4,577 | 5,742 | 6,139 | 10,773 | 6,626 | 7,765 | 8,120 | 4,739 | 7,098 |
| | 0 | 0 | 7 | 14 | 43 | 21 | 7 | 13 | 10 | 9 | 16 | 140 |
| No Response | --- | --- | --- | --- | 29,075 | 45,000 | 46,500 | 54,000 | 62,000 | 66,000 | --- | 47,000 |
| | --- | --- | 28,000 | 30,050 | 24,900 | 40,000 | 35,200 | 50,000 | 42,511 | 46,000 | 50,000 | 35,500 |
| | --- | --- | --- | --- | 17,800 | 32,250 | 33,350 | 35,000 | 30,000 | 32,000 | --- | 30,000 |
| | --- | --- | 28,000 | 30,050 | 23,925 | 38,900 | 38,350 | 46,333 | 44,837 | 48,000 | 50,000 | 38,431 |
| | --- | --- | --- | 71 | 5,976 | 7,774 | 7,863 | 10,017 | 16,126 | 17,088 | --- | 12,083 |
| | 0 | 0 | 1 | 2 | 4 | 5 | 4 | 3 | 3 | 3 | 1 | 26 |
| TOTAL | --- | --- | 23,375 | 28,000 | 31,000 | 36,000 | 40,000 | 43,500 | 47,800 | 50,000 | 36,000 | 37,000 |
| | --- | --- | 20,000 | 22,500 | 26,100 | 30,000 | 34,000 | 35,520 | 36,464 | 41,000 | 29,000 | 30,000 |
| | --- | --- | 18,000 | 20,000 | 22,000 | 26,025 | 28,000 | 28,600 | 29,950 | 32,000 | 23,900 | 24,000 |
| | --- | --- | 21,154 | 24,344 | 27,203 | 31,826 | 35,253 | 37,107 | 39,883 | 42,812 | 31,404 | 32,050 |
| | --- | --- | 5,480 | 6,622 | 7,121 | 8,496 | 10,126 | 11,862 | 15,467 | 14,843 | 11,041 | 11,440 |
| | 0 | 0 | 72 | 183 | 297 | 300 | 210 | 187 | 109 | 123 | 147 | 1,628 |

TABLE-1.5.1

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS
by REGION and YEARS SINCE BS
1982 Survey of ACS Members

| REGION | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| Pacific | 19,992 | 23,000 | 27,250 | 30,750 | 36,990 | 50,500 | 40,000 | 50,000 | 53,500 | 63,000 | --- | 37,000 - 75th %-ile |
| | 15,484 | 20,460 | 24,250 | 27,750 | 30,310 | 37,000 | 36,350 | 39,500 | 44,000 | 52,576 | --- | 28,276 - Median |
| | 13,149 | 18,000 | 21,813 | 25,000 | 26,100 | 30,825 | 28,150 | 32,250 | 29,000 | 41,250 | --- | 23,000 - 25th %-ile |
| | 16,208 | 21,347 | 25,250 | 28,428 | 32,473 | 39,982 | 35,785 | 41,215 | 42,100 | 51,494 | --- | 31,747 - Mean |
| | 3,633 | 4,684 | 5,917 | 7,628 | 7,995 | 12,124 | 9,162 | 13,259 | 13,505 | 11,594 | --- | 12,310 - Std Dev |
| | 4 | 35 | 46 | 32 | 20 | 26 | 12 | 32 | 9 | 8 | 0 | 224 - Count |
| Mountain | --- | 24,000 | 30,000 | 31,750 | 48,500 | 40,000 | 47,945 | 44,750 | --- | --- | --- | 34,000 |
| | 20,000 | 21,000 | 25,100 | 25,290 | 35,000 | 37,000 | 35,291 | 40,516 | 25,000 | 33,520 | --- | 26,000 |
| | --- | 17,000 | 21,150 | 21,510 | 30,150 | 29,187 | 34,200 | 28,758 | --- | --- | --- | 21,600 |
| | 20,000 | 20,985 | 25,258 | 26,834 | 39,421 | 34,170 | 39,145 | 38,008 | 25,000 | 33,520 | --- | 28,359 |
| | 2,828 | 4,197 | 5,754 | 5,625 | 11,085 | 6,819 | 8,601 | 9,058 | --- | 4,073 | --- | 9,262 |
| | 2 | 19 | 24 | 13 | 11 | 7 | 4 | 4 | 1 | 2 | 0 | 87 |
| WN Central | 23,000 | 22,257 | 27,750 | 34,500 | 34,150 | 32,650 | 50,000 | 43,000 | 58,750 | 54,000 | --- | 32,459 |
| | 22,900 | 20,275 | 25,000 | 29,000 | 28,000 | 29,250 | 39,000 | 35,340 | 52,250 | 31,000 | --- | 25,380 |
| | 21,980 | 17,875 | 20,000 | 23,708 | 25,500 | 24,000 | 27,700 | 30,000 | 49,125 | 23,000 | --- | 21,540 |
| | 22,627 | 20,031 | 24,818 | 29,718 | 30,778 | 28,536 | 38,900 | 36,314 | 53,375 | 36,000 | --- | 28,090 |
| | 562 | 2,841 | 5,658 | 6,251 | 7,356 | 6,418 | 11,709 | 9,634 | 5,186 | 16,093 | --- | 9,500 |
| | 3 | 26 | 28 | 17 | 9 | 16 | 4 | 11 | 4 | 3 | 0 | 121 |
| WS Central | 28,350 | 24,900 | 28,950 | 35,500 | 41,800 | 46,000 | 45,540 | 57,000 | 53,205 | 42,624 | --- | 40,110 |
| | 22,200 | 22,500 | 26,690 | 27,150 | 37,200 | 33,000 | 42,000 | 40,000 | 42,500 | 40,000 | --- | 30,000 |
| | 21,000 | 19,300 | 22,346 | 22,799 | 31,949 | 24,000 | 38,000 | 29,600 | 37,750 | 33,250 | --- | 23,750 |
| | 23,850 | 22,238 | 26,943 | 29,165 | 37,786 | 34,067 | 44,662 | 42,387 | 48,901 | 39,117 | --- | 33,566 |
| | 4,253 | 4,250 | 6,459 | 7,346 | 7,375 | 11,369 | 15,308 | 18,910 | 20,390 | 5,674 | --- | 14,494 |
| | 4 | 29 | 36 | 26 | 9 | 11 | 17 | 19 | 18 | 8 | 0 | 177 |
| EN Central | 21,000 | 24,000 | 27,500 | 33,450 | 37,350 | 42,000 | 43,000 | 43,000 | 53,675 | 52,000 | --- | 35,400 |
| | 20,000 | 21,600 | 25,000 | 28,050 | 34,500 | 34,450 | 35,000 | 37,000 | 40,580 | 41,000 | --- | 27,500 |
| | 18,000 | 19,500 | 20,000 | 23,100 | 28,400 | 30,276 | 29,000 | 30,000 | 24,880 | 32,300 | --- | 22,000 |
| | 19,884 | 21,540 | 24,590 | 29,250 | 33,346 | 35,263 | 36,928 | 38,961 | 40,585 | 42,988 | --- | 29,977 |
| | 3,037 | 3,755 | 5,654 | 10,079 | 7,009 | 10,507 | 11,308 | 12,993 | 17,209 | 11,855 | --- | 11,397 |
| | 19 | 103 | 94 | 64 | 49 | 46 | 27 | 64 | 16 | 21 | 0 | 503 |
| ES Central | --- | 24,000 | 30,000 | 29,000 | --- | 57,800 | 49,675 | 42,500 | 36,750 | 48,250 | --- | 33,000 |
| | --- | 21,000 | 26,700 | 24,600 | 23,850 | 30,000 | 39,500 | 30,000 | 35,000 | 35,000 | 23,200 | 28,150 |
| | --- | 16,500 | 21,500 | 22,500 | --- | 28,427 | 31,225 | 22,000 | 30,860 | 30,375 | --- | 23,150 |
| | --- | 20,539 | 26,155 | 25,228 | 23,850 | 40,491 | 40,200 | 32,309 | 34,044 | 37,875 | 23,200 | 29,395 |
| | --- | 3,813 | 5,038 | 4,415 | 495 | 21,813 | 9,044 | 10,684 | 3,055 | 9,903 | --- | 10,609 |
| | 0 | 10 | 13 | 9 | 2 | 5 | 6 | 7 | 5 | 4 | 1 | 62 |
| Mid Atlantic | 21,700 | 24,000 | 30,000 | 35,800 | 40,000 | 41,570 | 43,250 | 50,000 | 52,150 | 48,500 | --- | 40,000 |
| | 19,975 | 21,000 | 25,450 | 30,000 | 33,900 | 36,000 | 36,000 | 40,000 | 41,950 | 43,900 | 22,176 | 30,648 |
| | 18,300 | 19,000 | 21,300 | 24,800 | 28,000 | 33,000 | 29,952 | 35,000 | 35,710 | 33,950 | --- | 23,300 |
| | 20,422 | 21,621 | 25,569 | 30,698 | 34,142 | 37,221 | 39,393 | 43,636 | 46,421 | 42,365 | 22,176 | 32,956 |
| | 3,023 | 4,593 | 5,206 | 8,722 | 9,571 | 7,230 | 14,867 | 13,903 | 17,248 | 9,175 | --- | 13,149 |
| | 18 | 72 | 79 | 49 | 37 | 34 | 41 | 69 | 26 | 22 | 1 | 448 |
| So Atlantic | 21,500 | 20,800 | 27,325 | 30,540 | 39,700 | 37,900 | 41,713 | 45,000 | 55,750 | 54,000 | --- | 37,000 |
| | 18,786 | 18,250 | 22,750 | 25,766 | 32,107 | 32,900 | 35,781 | 36,000 | 44,000 | 42,000 | --- | 28,734 |
| | 15,743 | 14,250 | 19,975 | 25,000 | 26,541 | 28,375 | 30,302 | 30,000 | 26,750 | 37,000 | --- | 20,490 |
| | 19,056 | 18,049 | 23,800 | 27,292 | 34,550 | 33,097 | 36,636 | 36,599 | 43,109 | 45,037 | --- | 30,381 |
| | 4,855 | 3,944 | 6,326 | 6,025 | 13,832 | 7,044 | 9,264 | 11,392 | 17,990 | 16,920 | --- | 12,705 |
| | 10 | 40 | 42 | 31 | 22 | 24 | 21 | 47 | 14 | 15 | 0 | 266 |
| New England | 25,925 | 24,400 | 27,250 | 35,000 | 40,000 | 57,500 | 42,000 | 53,250 | 55,000 | 80,800 | --- | 38,500 |
| | 22,450 | 20,500 | 24,550 | 31,500 | 35,000 | 40,000 | 35,500 | 42,750 | 40,000 | 40,000 | --- | 30,000 |
| | 17,475 | 17,150 | 21,750 | 27,000 | 29,048 | 35,000 | 25,500 | 35,345 | 31,000 | 36,375 | --- | 22,880 |
| | 22,283 | 20,750 | 24,173 | 36,200 | 33,786 | 44,800 | 37,857 | 44,016 | 45,740 | 53,817 | --- | 33,163 |
| | 4,453 | 4,685 | 5,688 | 17,281 | 7,505 | 13,705 | 15,472 | 13,772 | 19,200 | 27,350 | --- | 16,152 |
| | 6 | 29 | 22 | 15 | 10 | 7 | 7 | 18 | 11 | 6 | 0 | 131 |
| No Response | --- | 22,500 | 29,000 | 37,100 | 39,000 | 41,443 | 48,000 | 48,900 | 72,500 | 40,500 | --- | 39,000 |
| | 17,800 | 19,200 | 27,000 | 26,000 | 32,040 | 36,700 | 40,000 | 34,050 | 50,000 | 34,000 | --- | 29,270 |
| | --- | 16,000 | 20,000 | 23,428 | 26,600 | 30,000 | 31,250 | 28,087 | 27,600 | 33,000 | --- | 22,800 |
| | 17,800 | 19,631 | 25,550 | 28,140 | 31,286 | 35,878 | 40,313 | 37,468 | 51,852 | 35,833 | --- | 32,065 |
| | --- | 5,409 | 5,899 | 8,040 | 7,774 | 11,715 | 8,506 | 11,167 | 25,805 | 4,072 | --- | 13,948 |
| | 1 | 15 | 19 | 9 | 11 | 7 | 8 | 16 | 9 | 3 | 0 | 98 |
| TOTAL | 22,000 | 23,520 | 28,300 | 33,000 | 39,000 | 41,000 | 43,000 | 47,600 | 53,410 | 50,000 | --- | 37,000 |
| | 20,000 | 20,850 | 25,000 | 28,000 | 33,699 | 35,000 | 36,700 | 38,000 | 42,000 | 40,650 | 22,688 | 28,500 |
| | 18,000 | 18,000 | 21,000 | 24,000 | 27,625 | 29,600 | 30,000 | 32,000 | 33,000 | 34,000 | --- | 22,111 |
| | 20,233 | 20,927 | 25,114 | 29,312 | 33,818 | 35,842 | 38,851 | 40,133 | 45,110 | 43,393 | 22,688 | 31,254 |
| | 3,729 | 4,302 | 5,747 | 8,994 | 9,154 | 10,440 | 12,408 | 13,385 | 17,983 | 13,424 | 724 | 12,674 |
| | 67 | 378 | 403 | 265 | 180 | 183 | 147 | 287 | 113 | 92 | 2 | 2,117 |

TABLE-1.5.2

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS
by REGION and YEARS SINCE BS
1982 Survey of ACS Members

| REGION | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
| Pacific | --- | --- | 30,000 | 34,150 | 41,769 | 39,400 | 41,225 | 44,000 | 42,043 | 74,400 | 32,250 | 40,075 | - 75th %-ile |
| | --- | --- | 24,000 | 29,187 | 35,346 | 32,000 | 36,500 | 36,000 | 36,000 | 60,000 | 28,600 | 32,000 | - Median |
| | --- | --- | 21,000 | 26,000 | 29,780 | 27,931 | 32,000 | 28,000 | 26,566 | 44,000 | 25,000 | 26,465 | - 25th %-ile |
| | --- | --- | 25,943 | 29,911 | 36,489 | 33,719 | 36,703 | 37,144 | 34,643 | 59,857 | 31,150 | 34,223 | - Mean |
| | --- | --- | 5,688 | 7,254 | 8,689 | 8,894 | 9,278 | 11,849 | 8,298 | 14,299 | 12,266 | 11,599 | - Std Dev |
| | 0 | 0 | 23 | 21 | 16 | 21 | 22 | 15 | 5 | 7 | 8 | 138 | - Count |
| Mountain | --- | --- | 29,900 | 35,250 | 33,000 | 38,000 | 39,625 | 58,000 | --- | --- | 36,500 | 37,805 | |
| | --- | 18,550 | 25,250 | 26,150 | 31,000 | 38,000 | 37,000 | 45,000 | 38,000 | 27,000 | 27,000 | 28,900 | |
| | --- | --- | 23,250 | 20,300 | 21,500 | 35,781 | 25,922 | 40,000 | --- | --- | 26,000 | 24,000 | |
| | --- | 18,550 | 25,940 | 27,154 | 30,286 | 37,260 | 33,844 | 47,667 | 38,000 | 27,000 | 30,400 | 30,500 | |
| | --- | 3,606 | 5,113 | 7,383 | 7,505 | 1,281 | 7,894 | 9,292 | --- | --- | 8,204 | 8,822 | |
| | 0 | 2 | 8 | 10 | 7 | 3 | 6 | 3 | 1 | 1 | 5 | 46 | |
| WN Central | --- | 28,000 | 29,700 | 31,850 | 41,000 | 34,800 | 33,165 | 52,500 | 50,500 | --- | 40,150 | 38,000 | |
| | --- | 25,000 | 21,650 | 29,300 | 38,000 | 33,500 | 25,000 | 42,250 | 45,000 | 30,000 | 27,450 | 29,000 | |
| | --- | 24,792 | 17,273 | 22,450 | 28,800 | 27,500 | 20,000 | 27,750 | 33,600 | --- | 22,875 | 22,500 | |
| | --- | 25,931 | 23,749 | 27,908 | 35,933 | 31,620 | 26,777 | 39,917 | 42,640 | 30,000 | 30,990 | 30,244 | |
| | --- | 1,795 | 8,289 | 5,976 | 6,357 | 4,275 | 7,510 | 16,390 | 11,776 | --- | 11,687 | 10,557 | |
| | 0 | 3 | 14 | 12 | 3 | 5 | 6 | 6 | 5 | 1 | 12 | 67 | |
| WS Central | --- | --- | 30,000 | 34,510 | 54,025 | 45,290 | 52,330 | 47,500 | 54,625 | 60,250 | 42,175 | 41,500 | |
| | --- | 25,500 | 24,100 | 27,000 | 40,300 | 40,000 | 40,000 | 38,600 | 41,220 | 50,500 | 32,500 | 32,500 | |
| | --- | --- | 18,900 | 21,654 | 26,750 | 32,000 | 31,875 | 35,500 | 34,500 | 38,500 | 22,838 | 25,000 | |
| | --- | 25,500 | 23,991 | 28,362 | 40,288 | 38,156 | 42,802 | 40,294 | 45,743 | 49,750 | 33,298 | 34,461 | |
| | --- | 6,364 | 6,026 | 8,879 | 13,772 | 5,852 | 12,393 | 11,250 | 18,563 | 11,266 | 11,167 | 12,871 | |
| | 0 | 2 | 19 | 28 | 8 | 7 | 9 | 17 | 8 | 4 | 9 | 111 | |
| EN Central | --- | 25,450 | 29,450 | 36,500 | 38,000 | 42,000 | 46,861 | 45,250 | 45,500 | 44,000 | 36,950 | 38,700 | |
| | --- | 21,800 | 25,000 | 29,600 | 33,800 | 32,000 | 38,405 | 37,240 | 35,000 | 39,000 | 29,594 | 31,000 | |
| | --- | 19,050 | 20,500 | 26,890 | 29,200 | 27,000 | 31,700 | 30,863 | 29,500 | 29,450 | 23,250 | 25,900 | |
| | --- | 22,183 | 24,904 | 31,480 | 33,440 | 34,964 | 39,269 | 40,925 | 37,998 | 38,788 | 30,634 | 33,125 | |
| | --- | 3,273 | 5,569 | 8,247 | 7,738 | 13,057 | 11,549 | 15,720 | 12,600 | 10,152 | 8,830 | 11,636 | |
| | 0 | 8 | 57 | 53 | 35 | 39 | 26 | 46 | 13 | 12 | 36 | 325 | |
| ES Central | --- | --- | 25,875 | 32,479 | --- | 28,200 | 45,175 | 43,250 | 43,500 | --- | 41,000 | 38,000 | |
| | --- | 20,000 | 23,000 | 25,500 | 25,265 | 26,700 | 30,000 | 40,250 | 25,500 | 18,288 | 33,000 | 26,500 | |
| | --- | --- | 19,000 | 20,125 | --- | 17,205 | 21,275 | 30,882 | 17,580 | --- | 21,000 | 21,000 | |
| | --- | 20,000 | 22,625 | 26,468 | 25,265 | 23,502 | 32,500 | 38,280 | 29,132 | 18,288 | 33,526 | 29,317 | |
| | --- | --- | 3,591 | 7,543 | 7,404 | 6,008 | 13,215 | 15,001 | 15,128 | --- | 11,923 | 11,541 | |
| | 0 | 1 | 4 | 6 | 2 | 5 | 6 | 6 | 5 | 1 | 7 | 43 | |
| Mid Atlantic | --- | 24,932 | 29,800 | 33,000 | 38,000 | 43,500 | 50,000 | 49,100 | 48,000 | 49,000 | 39,750 | 40,000 | |
| | --- | 23,750 | 25,600 | 30,000 | 32,000 | 36,000 | 41,084 | 40,000 | 37,450 | 40,520 | 32,000 | 32,000 | |
| | --- | 21,125 | 21,980 | 25,800 | 28,125 | 29,250 | 33,000 | 31,200 | 30,500 | 32,000 | 25,925 | 26,000 | |
| | --- | 22,313 | 25,603 | 29,531 | 33,322 | 38,819 | 42,267 | 41,792 | 38,825 | 43,652 | 33,400 | 34,304 | |
| | --- | 6,585 | 5,145 | 7,105 | 9,407 | 13,612 | 11,885 | 12,797 | 11,043 | 15,317 | 10,586 | 12,014 | |
| | 0 | 14 | 65 | 59 | 40 | 29 | 26 | 65 | 24 | 18 | 52 | 392 | |
| So Atlantic | --- | --- | 28,210 | 38,600 | 43,000 | 44,244 | 44,000 | 45,773 | 39,625 | 60,000 | 40,000 | 41,000 | |
| | --- | 26,000 | 26,000 | 29,500 | 35,000 | 40,000 | 41,000 | 36,700 | 31,180 | 46,800 | 33,765 | 33,500 | |
| | --- | --- | 20,175 | 25,750 | 27,000 | 26,000 | 35,175 | 30,500 | 21,500 | 36,250 | 25,800 | 26,000 | |
| | --- | 26,000 | 25,185 | 32,111 | 35,606 | 37,522 | 40,240 | 38,804 | 32,010 | 47,860 | 34,080 | 34,554 | |
| | --- | --- | 7,136 | 8,300 | 14,295 | 10,590 | 9,198 | 12,669 | 10,621 | 12,406 | 11,151 | 11,546 | |
| | 0 | 1 | 21 | 33 | 25 | 23 | 15 | 21 | 16 | 5 | 19 | 179 | |
| New England | --- | 27,650 | 26,563 | 32,400 | 40,563 | 40,250 | 55,500 | 49,860 | --- | 43,000 | 38,000 | 40,000 | |
| | --- | 25,500 | 24,676 | 27,000 | 33,750 | 32,650 | 49,500 | 39,500 | 33,881 | 38,000 | 27,500 | 31,000 | |
| | --- | 20,750 | 21,750 | 23,500 | 27,750 | 24,000 | 40,000 | 33,625 | --- | 28,000 | 18,900 | 25,000 | |
| | --- | 24,600 | 24,588 | 28,495 | 39,375 | 35,310 | 50,978 | 42,380 | 33,881 | 36,333 | 28,900 | 34,482 | |
| | --- | 3,992 | 3,690 | 7,719 | 22,282 | 17,535 | 16,094 | 12,137 | 19,967 | 7,638 | 11,811 | 14,842 | |
| | 0 | 6 | 12 | 19 | 10 | 10 | 9 | 16 | 2 | 5 | 8 | 95 | |
| No Response | --- | --- | 31,350 | 42,300 | 37,000 | 41,625 | 49,500 | 41,875 | --- | 67,000 | 43,000 | 42,000 | |
| | --- | --- | 24,750 | 31,000 | 27,100 | 38,128 | 40,000 | 33,500 | 33,000 | 52,000 | 35,000 | 34,000 | |
| | --- | --- | 20,750 | 25,000 | 24,750 | 34,425 | 33,000 | 25,500 | --- | 32,500 | 28,000 | 25,088 | |
| | --- | --- | 26,090 | 32,271 | 31,955 | 38,276 | 39,889 | 37,288 | 33,000 | 50,200 | 35,714 | 35,591 | |
| | --- | --- | 5,746 | 9,598 | 14,854 | 10,090 | 9,466 | 15,725 | 12,728 | 19,652 | 9,976 | 12,916 | |
| | 0 | 0 | 10 | 7 | 10 | 10 | 9 | 12 | 2 | 5 | 7 | 72 | |
| TOTAL | --- | 26,000 | 29,080 | 34,450 | 39,462 | 42,000 | 46,000 | 47,000 | 45,293 | 54,500 | 38,400 | 40,000 | |
| | --- | 24,000 | 25,000 | 29,200 | 32,600 | 35,000 | 39,830 | 39,000 | 36,000 | 42,000 | 31,000 | 31,625 | |
| | --- | 20,000 | 21,000 | 25,000 | 28,000 | 28,000 | 32,000 | 31,150 | 27,750 | 32,600 | 24,500 | 25,000 | |
| | --- | 22,955 | 25,114 | 29,940 | 34,507 | 35,860 | 39,498 | 40,550 | 37,132 | 44,628 | 32,367 | 33,702 | |
| | --- | 5,004 | 5,687 | 7,866 | 11,595 | 11,857 | 11,783 | 13,417 | 12,634 | 15,115 | 10,262 | 12,020 | |
| | 0 | 37 | 253 | 248 | 156 | 152 | 134 | 207 | 81 | 57 | 163 | 1,468 | |

TABLE-1.5.3

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS
by REGION and YEARS SINCE BS
1982 Survey of ACS Members

| REGION | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
| Pacific | --- | --- | 34,440 | 38,575 | 41,625 | 46,900 | 50,000 | 55,000 | 52,000 | 58,000 | 51,250 | 48,000 | - 75th $-tile |
| | --- | 31,000 | 30,260 | 33,000 | 34,250 | 38,000 | 44,550 | 49,000 | 49,000 | 46,000 | 37,000 | 38,000 | - Median |
| | --- | --- | 26,000 | 25,050 | 29,000 | 30,000 | 36,000 | 40,000 | 41,000 | 36,000 | 32,750 | 30,420 | - 25th $-tile |
| | --- | 31,000 | 30,557 | 32,871 | 36,362 | 39,718 | 44,519 | 47,670 | 47,280 | 48,489 | 41,426 | 40,050 | - Mean |
| | --- | --- | 5,860 | 10,552 | 10,804 | 11,157 | 12,869 | 12,580 | 13,215 | 16,134 | 14,853 | 13,316 | - Std Dev |
| | 0 | 1 | 34 | 96 | 86 | 73 | 54 | 64 | 39 | 33 | 53 | 533 | - Count |
| Mountain | --- | --- | 29,250 | 36,674 | 41,125 | 45,500 | 49,000 | 49,100 | 53,500 | 52,525 | 35,250 | 42,000 | |
| | --- | --- | 25,750 | 33,030 | 30,500 | 36,000 | 34,400 | 40,000 | 45,000 | 48,563 | 31,650 | 33,900 | |
| | --- | --- | 20,875 | 24,725 | 24,276 | 30,000 | 28,300 | 33,500 | 33,900 | 33,572 | 25,250 | 27,000 | |
| | --- | --- | 25,181 | 31,977 | 31,197 | 37,745 | 37,523 | 41,736 | 43,867 | 44,669 | 31,700 | 35,271 | |
| | --- | --- | 4,250 | 8,343 | 8,929 | 9,794 | 11,795 | 11,484 | 11,062 | 10,916 | 7,955 | 10,578 | |
| | 0 | 0 | 8 | 33 | 34 | 33 | 15 | 17 | 9 | 8 | 14 | 171 | |
| WN Central | --- | --- | 33,700 | 39,620 | 40,000 | 45,775 | 47,450 | 57,450 | 68,818 | 46,594 | 45,375 | 46,000 | |
| | --- | --- | 30,000 | 33,900 | 33,400 | 34,203 | 38,500 | 50,000 | 45,000 | 41,500 | 35,110 | 36,000 | |
| | --- | --- | 20,625 | 25,600 | 27,878 | 25,877 | 28,723 | 34,150 | 38,650 | 34,950 | 29,250 | 28,200 | |
| | --- | --- | 27,980 | 33,503 | 34,531 | 37,455 | 40,513 | 46,712 | 49,804 | 40,838 | 38,503 | 38,248 | |
| | --- | --- | 7,513 | 10,180 | 8,909 | 13,655 | 14,727 | 13,013 | 17,040 | 11,097 | 14,252 | 13,506 | |
| | 0 | 0 | 22 | 33 | 47 | 56 | 45 | 28 | 18 | 18 | 32 | 299 | |
| WS Central | --- | --- | 35,280 | 40,000 | 44,750 | 51,768 | 50,000 | 58,500 | 58,000 | 70,450 | 45,500 | 48,000 | |
| | --- | --- | 32,500 | 36,000 | 39,500 | 40,440 | 40,539 | 46,000 | 39,200 | 50,250 | 35,037 | 38,650 | |
| | --- | --- | 26,850 | 25,675 | 29,750 | 28,681 | 35,000 | 36,000 | 32,000 | 42,245 | 29,100 | 30,000 | |
| | --- | --- | 30,796 | 34,170 | 38,194 | 42,017 | 42,647 | 47,716 | 46,162 | 55,433 | 38,499 | 40,007 | |
| | --- | --- | 6,384 | 9,206 | 12,567 | 14,489 | 12,461 | 14,809 | 21,488 | 16,884 | 12,931 | 13,979 | |
| | 0 | 0 | 38 | 67 | 73 | 69 | 39 | 41 | 9 | 20 | 32 | 328 | |
| EN Central | --- | --- | 34,000 | 37,410 | 42,000 | 48,000 | 53,000 | 55,000 | 52,000 | 58,500 | 44,400 | 46,650 | |
| | --- | 60,000 | 31,127 | 33,000 | 35,500 | 39,484 | 43,000 | 44,400 | 41,650 | 49,700 | 36,000 | 37,000 | |
| | --- | --- | 29,000 | 27,250 | 26,100 | 30,000 | 35,500 | 33,000 | 36,000 | 37,750 | 28,750 | 30,000 | |
| | --- | 60,000 | 30,540 | 32,781 | 35,239 | 40,165 | 45,467 | 45,167 | 44,578 | 49,743 | 37,452 | 39,538 | |
| | --- | --- | 6,396 | 8,968 | 10,749 | 12,967 | 13,686 | 14,134 | 14,178 | 16,009 | 13,425 | 13,475 | |
| | 0 | 1 | 56 | 125 | 171 | 127 | 107 | 107 | 49 | 50 | 90 | 883 | |
| ES Central | --- | --- | 35,650 | 41,625 | 40,000 | 41,593 | 41,625 | 51,250 | 47,600 | 49,750 | 36,250 | 41,000 | |
| | --- | --- | 31,000 | 32,238 | 34,706 | 29,000 | 34,000 | 39,900 | 38,000 | 42,425 | 32,500 | 33,000 | |
| | --- | --- | 23,500 | 29,075 | 26,000 | 24,000 | 24,830 | 30,500 | 26,000 | 31,750 | 27,276 | 26,000 | |
| | --- | --- | 29,895 | 33,892 | 32,831 | 33,501 | 34,280 | 42,414 | 37,682 | 41,546 | 33,441 | 34,415 | |
| | --- | --- | 7,960 | 8,158 | 8,939 | 13,538 | 10,998 | 14,246 | 14,780 | 11,229 | 9,942 | 11,126 | |
| | 0 | 0 | 21 | 26 | 47 | 33 | 21 | 14 | 11 | 12 | 18 | 203 | |
| Mid Atlantic | --- | --- | 35,030 | 39,125 | 46,850 | 50,000 | 57,000 | 58,000 | 55,500 | 62,500 | 52,000 | 50,000 | |
| | --- | 20,000 | 33,000 | 35,500 | 39,000 | 42,000 | 43,400 | 47,000 | 44,000 | 47,000 | 40,000 | 40,000 | |
| | --- | --- | 30,000 | 30,000 | 32,250 | 33,000 | 33,625 | 37,000 | 32,897 | 40,000 | 32,000 | 32,246 | |
| | --- | 20,000 | 32,081 | 35,076 | 39,259 | 43,250 | 45,478 | 48,684 | 46,002 | 51,622 | 42,313 | 41,998 | |
| | --- | --- | 5,764 | 8,334 | 11,632 | 13,124 | 15,458 | 17,351 | 15,665 | 16,512 | 13,055 | 14,170 | |
| | 0 | 1 | 76 | 162 | 177 | 151 | 112 | 115 | 69 | 74 | 145 | 1,082 | |
| So Atlantic | --- | --- | 34,000 | 38,000 | 42,125 | 47,900 | 52,250 | 56,000 | 57,250 | 60,827 | 44,164 | 48,000 | |
| | --- | --- | 31,000 | 32,640 | 34,853 | 42,000 | 42,800 | 48,450 | 50,000 | 48,700 | 36,000 | 38,317 | |
| | --- | --- | 27,163 | 26,000 | 28,000 | 31,108 | 34,685 | 34,500 | 40,000 | 40,750 | 30,025 | 30,075 | |
| | --- | --- | 29,585 | 32,255 | 35,451 | 40,862 | 43,208 | 46,991 | 50,486 | 52,613 | 37,645 | 40,065 | |
| | --- | --- | 6,472 | 8,614 | 9,754 | 10,476 | 11,302 | 15,639 | 15,741 | 18,310 | 11,983 | 13,716 | |
| | 0 | 0 | 60 | 79 | 130 | 104 | 78 | 92 | 41 | 50 | 72 | 706 | |
| New England | --- | --- | 34,250 | 38,500 | 42,500 | 48,000 | 52,000 | 60,000 | 51,250 | 54,000 | 36,000 | 45,063 | |
| | --- | --- | 32,400 | 32,500 | 35,100 | 40,000 | 43,500 | 43,000 | 40,000 | 45,000 | 31,900 | 36,000 | |
| | --- | --- | 27,500 | 23,000 | 26,000 | 32,073 | 35,000 | 36,000 | 33,913 | 32,000 | 29,625 | 29,925 | |
| | --- | --- | 31,240 | 31,688 | 34,110 | 43,257 | 45,486 | 45,269 | 44,177 | 45,494 | 36,358 | 39,057 | |
| | --- | --- | 5,718 | 9,533 | 10,835 | 17,441 | 17,276 | 16,059 | 12,631 | 15,539 | 13,219 | 14,796 | |
| | 0 | 0 | 21 | 43 | 63 | 60 | 31 | 35 | 13 | 15 | 24 | 310 | |
| No Response | --- | --- | 32,850 | 37,375 | 40,175 | 49,000 | 54,250 | 56,375 | 56,500 | 57,000 | 47,950 | 49,000 | |
| | --- | --- | 31,050 | 32,700 | 34,000 | 38,000 | 49,500 | 50,000 | 45,500 | 35,000 | 38,750 | 36,000 | |
| | --- | --- | 24,998 | 22,750 | 28,750 | 29,220 | 36,019 | 40,875 | 40,150 | 28,825 | 28,900 | 30,000 | |
| | --- | --- | 28,992 | 32,490 | 34,115 | 39,610 | 47,041 | 50,659 | 47,891 | 44,183 | 39,641 | 39,573 | |
| | --- | --- | 6,081 | 11,190 | 8,559 | 14,831 | 18,461 | 16,552 | 12,557 | 22,538 | 12,591 | 15,012 | |
| | 0 | 0 | 22 | 36 | 33 | 26 | 20 | 30 | 17 | 9 | 30 | 223 | |
| TOTAL | --- | 60,000 | 34,437 | 38,709 | 42,829 | 48,000 | 52,000 | 56,000 | 54,000 | 57,750 | 47,000 | 47,200 | |
| | --- | 31,000 | 31,650 | 33,593 | 35,700 | 40,000 | 42,150 | 46,500 | 44,770 | 46,500 | 36,000 | 37,530 | |
| | --- | 20,000 | 28,000 | 28,000 | 28,000 | 30,000 | 34,000 | 36,000 | 36,000 | 38,000 | 30,000 | 30,000 | |
| | --- | 37,000 | 30,367 | 33,353 | 36,005 | 40,647 | 43,779 | 46,920 | 46,439 | 49,542 | 39,185 | 39,750 | |
| | --- | 20,664 | 6,381 | 9,220 | 10,820 | 13,254 | 14,144 | 15,158 | 14,911 | 16,535 | 13,192 | 13,786 | |
| | 0 | 3 | 358 | 700 | 861 | 732 | 522 | 543 | 280 | 289 | 510 | 4,798 | |

TABLE-2.1.1

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC CHEMISTS - MEN Only
by DEGREE and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HIGHEST DEGREE | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Bachelors | 22,900 | 24,000 | 29,000 | 34,000 | 39,000 | 41,715 | 46,040 | 48,000 | 55,000 | 50,000 | --- | 39,047 - 75th %-ile |
| | 20,052 | 21,500 | 25,450 | 28,764 | 33,250 | 36,000 | 37,000 | 39,000 | 43,333 | 40,500 | 22,688 | 30,000 - Median |
| | 18,000 | 18,402 | 22,000 | 24,550 | 28,000 | 29,927 | 31,000 | 33,000 | 35,250 | 34,000 | --- | 24,000 - 25th %-ile |
| | 20,638 | 21,409 | 25,697 | 30,114 | 34,209 | 36,524 | 40,240 | 41,003 | 47,119 | 43,010 | 22,688 | 32,975 - Mean |
| | 3,851 | 4,547 | 5,502 | 9,393 | 9,560 | 9,752 | 12,564 | 13,231 | 17,839 | 12,938 | 724 | 12,988 - Std Dev |
| | 33 | 229 | 295 | 218 | 140 | 149 | 125 | 260 | 96 | 79 | 2 | 1,626 - Count |
| Masters | --- | 26,000 | 29,600 | 36,000 | 40,000 | 44,000 | 48,200 | 50,000 | 43,000 | 55,000 | 40,200 | 42,128 |
| | --- | 24,250 | 26,000 | 30,080 | 35,000 | 38,000 | 41,000 | 41,000 | 40,000 | 43,000 | 33,000 | 34,500 |
| | --- | 21,200 | 23,000 | 26,050 | 30,000 | 32,000 | 35,000 | 35,000 | 32,000 | 36,000 | 28,000 | 28,000 |
| | --- | 24,087 | 26,156 | 31,624 | 36,716 | 39,691 | 41,502 | 43,720 | 40,978 | 45,979 | 34,910 | 36,373 |
| | --- | 3,924 | 5,179 | 7,646 | 11,492 | 11,876 | 11,024 | 12,374 | 12,426 | 14,954 | 9,789 | 12,065 |
| | 0 | 24 | 151 | 184 | 123 | 102 | 101 | 169 | 55 | 50 | 111 | 1,070 |
| Doctorate | --- | 60,000 | 35,000 | 40,000 | 46,000 | 52,400 | 58,000 | 60,000 | 58,150 | 63,000 | 50,246 | 51,000 |
| | --- | 31,000 | 32,520 | 36,000 | 41,000 | 45,600 | 49,000 | 51,000 | 50,000 | 51,000 | 40,000 | 42,000 |
| | --- | 20,000 | 30,000 | 32,013 | 35,000 | 40,000 | 41,653 | 44,000 | 41,850 | 42,188 | 34,150 | 35,000 |
| | --- | 37,000 | 32,766 | 36,816 | 41,379 | 47,341 | 50,540 | 52,385 | 51,181 | 54,124 | 43,340 | 44,416 |
| | --- | 20,664 | 4,014 | 7,704 | 9,187 | 12,163 | 13,306 | 13,860 | 14,470 | 15,700 | 12,752 | 13,109 |
| | 0 | 3 | 237 | 445 | 506 | 399 | 285 | 332 | 153 | 150 | 322 | 2,832 |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 43,500 | 43,500 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 35,700 | 35,700 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 27,200 | 27,200 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 37,059 | 37,059 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 13,724 | 13,724 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 52 |
| TOTAL | 22,900 | 24,225 | 32,400 | 39,000 | 44,400 | 50,000 | 52,700 | 55,000 | 55,000 | 57,500 | 48,000 | 47,000 |
| | 20,052 | 21,790 | 28,300 | 33,200 | 38,800 | 42,281 | 45,000 | 44,512 | 45,900 | 46,000 | 38,000 | 37,500 |
| | 18,000 | 18,725 | 24,100 | 28,250 | 32,950 | 35,020 | 37,000 | 36,000 | 38,000 | 39,000 | 32,000 | 30,000 |
| | 20,638 | 21,843 | 28,252 | 33,963 | 39,328 | 43,661 | 46,234 | 46,572 | 48,052 | 49,518 | 40,663 | 39,472 |
| | 3,851 | 5,154 | 5,950 | 8,701 | 10,083 | 12,524 | 13,579 | 14,295 | 15,704 | 15,628 | 12,802 | 13,377 |
| | 33 | 256 | 683 | 847 | 769 | 650 | 511 | 761 | 304 | 279 | 487 | 5,580 |

TABLE-2.1.2

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC CHEMISTS - WOMEN Only
by DEGREE and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HIGHEST DEGREE | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Bachelors | 22,000 | 23,000 | 27,000 | 29,300 | 39,150 | 35,000 | 36,611 | 35,000 | 46,575 | 59,326 | --- | 27,500 - 75th %-ile |
| | 20,000 | 20,080 | 24,500 | 25,000 | 35,000 | 32,000 | 29,000 | 24,000 | 35,570 | 45,000 | --- | 23,000 - Median |
| | 17,900 | 18,167 | 20,000 | 22,575 | 28,250 | 22,500 | 24,300 | 20,701 | 22,750 | 35,368 | --- | 19,700 - 25th %-ile |
| | 20,199 | 20,419 | 23,945 | 25,549 | 33,983 | 29,907 | 29,664 | 28,943 | 37,446 | 46,078 | --- | 24,670 - Mean |
| | 3,475 | 3,522 | 5,785 | 4,622 | 6,063 | 8,297 | 8,211 | 12,940 | 16,864 | 15,635 | --- | 8,216 - Std Dev |
| | 29 | 130 | 87 | 33 | 26 | 22 | 12 | 15 | 10 | 5 | 0 | 369 - Count |
| Masters | --- | 25,250 | 30,000 | 31,463 | 36,234 | 35,836 | 38,000 | 37,500 | 37,570 | 62,000 | 34,250 | 33,200 |
| | --- | 23,500 | 24,500 | 27,690 | 29,900 | 30,300 | 30,000 | 25,500 | 34,600 | 33,200 | 26,500 | 27,000 |
| | --- | 19,600 | 21,330 | 25,150 | 28,175 | 24,755 | 22,000 | 21,250 | 22,986 | 21,000 | 22,175 | 22,500 |
| | --- | 22,614 | 25,167 | 27,720 | 30,814 | 30,762 | 30,307 | 28,938 | 30,190 | 38,733 | 28,559 | 27,778 |
| | --- | 3,002 | 5,545 | 5,811 | 7,087 | 8,185 | 7,967 | 8,360 | 8,430 | 21,053 | 8,186 | 7,400 |
| | 0 | 10 | 58 | 34 | 14 | 18 | 11 | 8 | 9 | 3 | 22 | 187 |
| Doctorate | --- | --- | 35,000 | 38,250 | 39,000 | 49,000 | 46,650 | 63,510 | 44,900 | 88,000 | 39,425 | 40,000 |
| | --- | --- | 33,000 | 33,700 | 35,800 | 35,640 | 39,000 | 53,250 | 41,050 | 49,623 | 32,880 | 34,200 |
| | --- | --- | 30,000 | 30,000 | 28,072 | 32,000 | 31,725 | 31,000 | 38,066 | 40,312 | 29,625 | 30,000 |
| | --- | --- | 32,564 | 35,272 | 34,536 | 40,313 | 39,700 | 49,158 | 42,088 | 59,312 | 34,821 | 36,505 |
| | --- | --- | 3,924 | 8,495 | 9,031 | 11,368 | 12,006 | 17,152 | 3,698 | 27,067 | 7,923 | 10,431 |
| | 0 | 0 | 43 | 57 | 36 | 15 | 13 | 10 | 7 | 4 | 24 | 209 |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39,000 | 39,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 30,000 | 30,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 18,500 | 18,500 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 31,863 | 31,863 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 14,372 | 14,372 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 |
| TOTAL | 22,000 | 23,000 | 30,435 | 34,000 | 38,875 | 37,000 | 39,831 | 48,000 | 42,350 | 61,000 | 36,000 | 34,000 |
| | 20,000 | 20,163 | 25,500 | 30,000 | 34,900 | 32,640 | 33,814 | 29,848 | 37,826 | 43,123 | 32,000 | 26,940 |
| | 17,900 | 18,425 | 21,915 | 26,000 | 28,341 | 25,000 | 25,000 | 21,030 | 24,568 | 34,209 | 24,630 | 21,525 |
| | 20,199 | 20,576 | 26,294 | 30,614 | 33,661 | 32,943 | 33,485 | 35,068 | 36,184 | 48,653 | 31,831 | 28,692 |
| | 3,475 | 3,524 | 6,342 | 8,169 | 7,806 | 10,029 | 10,548 | 16,134 | 12,318 | 20,987 | 9,344 | 10,049 |
| | 29 | 140 | 188 | 124 | 76 | 55 | 36 | 33 | 26 | 12 | 53 | 772 |

TABLE-2.2.1

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC B.S. CHEMISTS
by SELECTED STATES and YEARS SINCE BS
1982 Survey of ACS Members

| STATES | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL | |
| California | 19,992 | 23,000 | 27,500 | 30,300 | 40,000 | 54,250 | 40,000 | 50,000 | 56,750 | 64,000 | --- | 37,260 | - 75th %-ile |
| | 15,484 | 21,600 | 25,000 | 27,750 | 28,620 | 38,000 | 36,350 | 39,000 | 46,309 | 57,500 | --- | 28,620 | - Median |
| | 13,149 | 18,500 | 22,650 | 24,750 | 25,000 | 33,000 | 28,150 | 32,000 | 35,000 | 41,000 | --- | 23,250 | - 25th %-ile |
| | 16,208 | 21,810 | 25,661 | 28,515 | 32,870 | 42,278 | 35,785 | 41,554 | 46,270 | 52,850 | --- | 32,350 | - Mean |
| | 3,633 | 4,971 | 5,857 | 8,013 | 9,020 | 12,410 | 9,162 | 13,805 | 11,344 | 11,813 | --- | 12,737 | - Std Dev |
| | 4 | 27 | 41 | 26 | 15 | 20 | 12 | 27 | 6 | 7 | 0 | 185 | - Count |
| Texas | --- | 25,510 | 29,100 | 35,500 | 46,025 | 43,520 | 49,020 | 59,000 | 79,500 | 40,000 | --- | 40,625 | |
| | 21,000 | 21,100 | 26,000 | 27,550 | 38,949 | 26,212 | 43,428 | 40,000 | 50,000 | 38,500 | --- | 29,350 | |
| | --- | 17,625 | 22,000 | 22,624 | 28,750 | 22,988 | 35,500 | 28,450 | 42,300 | 32,605 | --- | 22,799 | |
| | 21,000 | 21,746 | 26,689 | 29,495 | 37,633 | 30,956 | 46,245 | 43,746 | 59,656 | 37,035 | --- | 33,929 | |
| | 0 | 4,956 | 6,682 | 7,398 | 9,266 | 10,973 | 18,092 | 20,936 | 22,474 | 4,177 | --- | 16,346 | |
| | 2 | 20 | 23 | 22 | 6 | 6 | 12 | 14 | 9 | 4 | 0 | 118 | |
| Illinois | 20,250 | 22,375 | 28,525 | 30,310 | 35,150 | 46,750 | 55,000 | 43,500 | 53,675 | 55,000 | --- | 37,375 | |
| | 18,000 | 19,666 | 25,000 | 28,000 | 33,500 | 38,000 | 33,000 | 36,600 | 45,250 | 52,000 | --- | 28,600 | |
| | 14,450 | 18,353 | 21,481 | 21,250 | 27,900 | 29,625 | 27,650 | 31,150 | 29,140 | 38,150 | --- | 22,150 | |
| | 17,480 | 20,421 | 25,654 | 26,766 | 32,456 | 37,850 | 37,607 | 38,905 | 42,640 | 43,383 | --- | 31,011 | |
| | 2,996 | 3,045 | 5,721 | 6,362 | 6,829 | 11,304 | 13,652 | 11,824 | 14,341 | 8,988 | --- | 11,480 | |
| | 5 | 16 | 26 | 17 | 16 | 10 | 7 | 21 | 8 | 3 | 0 | 129 | |
| Michigan | 24,000 | 25,000 | 30,000 | 38,800 | 36,175 | 41,500 | 37,050 | 41,950 | --- | 50,000 | --- | 36,530 | |
| | 22,000 | 22,061 | 26,000 | 33,000 | 35,086 | 34,450 | 31,000 | 37,000 | 60,000 | 41,000 | --- | 28,000 | |
| | 18,750 | 20,192 | 22,000 | 26,850 | 32,165 | 32,500 | 27,250 | 26,750 | --- | 34,600 | --- | 23,700 | |
| | 21,500 | 22,040 | 26,425 | 32,720 | 34,059 | 38,100 | 31,920 | 35,341 | 60,000 | 41,857 | --- | 30,342 | |
| | 2,872 | 3,801 | 6,434 | 6,961 | 3,667 | 9,398 | 5,353 | 8,511 | --- | 12,837 | --- | 9,739 | |
| | 5 | 26 | 17 | 10 | 10 | 10 | 5 | 14 | 1 | 7 | 0 | 105 | |
| Ohio | 20,200 | 23,950 | 27,500 | 38,750 | 39,500 | 39,550 | 46,000 | 44,650 | 57,500 | 56,000 | --- | 37,500 | |
| | 20,000 | 21,696 | 25,100 | 30,100 | 34,000 | 31,300 | 38,500 | 37,000 | 24,000 | 48,000 | --- | 27,500 | |
| | 19,000 | 19,725 | 22,500 | 26,520 | 25,505 | 25,250 | 29,500 | 33,058 | 17,540 | 34,450 | --- | 21,946 | |
| | 19,680 | 21,850 | 24,851 | 33,430 | 32,781 | 31,180 | 39,944 | 40,607 | 34,816 | 44,989 | --- | 30,779 | |
| | 955 | 4,067 | 3,952 | 15,551 | 9,130 | 10,914 | 14,279 | 15,107 | 24,329 | 12,160 | --- | 13,034 | |
| | 5 | 36 | 25 | 18 | 17 | 16 | 9 | 21 | 5 | 9 | 0 | 161 | |
| New Jersey | 23,675 | 25,000 | 30,472 | 35,000 | 36,700 | 43,473 | 47,750 | 59,000 | 54,050 | 49,250 | --- | 40,400 | |
| | 18,650 | 21,525 | 25,550 | 30,750 | 31,536 | 39,000 | 38,200 | 40,200 | 42,500 | 46,000 | 22,176 | 31,250 | |
| | 17,250 | 18,900 | 23,000 | 26,150 | 28,025 | 36,000 | 34,375 | 31,550 | 40,250 | 36,600 | --- | 25,000 | |
| | 20,167 | 21,918 | 26,449 | 31,023 | 34,055 | 39,895 | 42,980 | 46,868 | 45,592 | 43,950 | 22,176 | 34,301 | |
| | 4,742 | 3,637 | 5,216 | 7,249 | 7,723 | 7,803 | 14,387 | 19,548 | 8,368 | 7,072 | --- | 13,828 | |
| | 6 | 26 | 27 | 19 | 12 | 12 | 22 | 21 | 12 | 4 | 1 | 162 | |
| New York | 22,475 | 24,625 | 31,555 | 39,251 | 50,000 | 41,426 | 57,750 | 50,750 | 83,250 | 49,900 | --- | 41,320 | |
| | 20,776 | 21,950 | 27,750 | 31,150 | 39,564 | 35,000 | 39,500 | 42,500 | 41,000 | 42,800 | --- | 31,000 | |
| | 19,675 | 17,992 | 21,960 | 25,675 | 19,598 | 27,000 | 27,575 | 40,000 | 28,500 | 34,500 | --- | 24,000 | |
| | 21,159 | 20,981 | 26,610 | 32,782 | 35,752 | 35,139 | 44,183 | 45,755 | 51,500 | 43,360 | --- | 33,931 | |
| | 2,212 | 3,984 | 5,100 | 8,307 | 15,317 | 8,737 | 21,481 | 9,832 | 27,157 | 9,347 | --- | 14,058 | |
| | 6 | 18 | 26 | 14 | 8 | 11 | 6 | 20 | 6 | 9 | 0 | 124 | |
| Pennsylvania | 21,600 | 24,000 | 26,475 | 33,000 | 40,000 | 40,075 | 35,750 | 49,500 | 48,000 | 45,000 | --- | 38,000 | |
| | 19,800 | 20,333 | 24,313 | 26,600 | 35,450 | 36,000 | 31,800 | 39,000 | 40,000 | 34,000 | --- | 30,000 | |
| | 18,300 | 19,275 | 20,250 | 23,000 | 29,750 | 33,000 | 25,550 | 33,000 | 34,839 | 32,000 | --- | 23,000 | |
| | 19,960 | 22,200 | 24,054 | 29,582 | 35,071 | 36,639 | 30,634 | 39,699 | 46,548 | 36,857 | --- | 31,554 | |
| | 1,652 | 5,685 | 5,096 | 9,932 | 5,946 | 4,279 | 8,171 | 10,402 | 19,822 | 7,581 | --- | 11,276 | |
| | 3 | 26 | 20 | 15 | 14 | 9 | 8 | 28 | 7 | 7 | 0 | 137 | |
| No Response | 23,100 | 23,000 | 28,300 | 31,725 | 39,800 | 39,186 | 44,000 | 46,000 | 52,455 | 48,075 | --- | 36,000 | |
| | 21,490 | 20,500 | 24,920 | 27,000 | 33,000 | 33,500 | 36,888 | 36,600 | 40,580 | 40,000 | 23,200 | 28,000 | |
| | 18,000 | 17,075 | 20,000 | 24,000 | 28,400 | 28,500 | 31,202 | 30,000 | 31,575 | 33,000 | --- | 22,000 | |
| | 21,502 | 20,257 | 24,682 | 28,619 | 34,655 | 34,005 | 38,387 | 38,172 | 44,522 | 43,710 | 23,200 | 30,494 | |
| | 4,015 | 3,964 | 5,671 | 8,724 | 10,112 | 9,059 | 9,579 | 11,940 | 17,134 | 16,271 | --- | 12,200 | |
| | 26 | 164 | 178 | 112 | 69 | 79 | 57 | 116 | 54 | 38 | 1 | 894 | |
| TOTAL | 22,000 | 23,850 | 28,500 | 33,000 | 39,000 | 41,000 | 44,892 | 47,700 | 54,705 | 50,000 | --- | 37,200 | |
| | 20,026 | 21,000 | 25,000 | 28,000 | 33,950 | 35,000 | 36,960 | 38,000 | 43,000 | 40,900 | 22,688 | 28,968 | |
| | 18,000 | 18,252 | 21,200 | 24,000 | 26,000 | 29,550 | 30,000 | 32,225 | 34,879 | 34,150 | --- | 22,500 | |
| | 20,433 | 21,050 | 25,284 | 29,532 | 34,209 | 35,671 | 39,207 | 40,205 | 46,073 | 43,706 | 22,688 | 31,503 | |
| | 3,657 | 4,226 | 5,608 | 9,006 | 9,071 | 9,977 | 12,603 | 13,390 | 17,762 | 13,309 | 724 | 12,690 | |
| | 62 | 359 | 383 | 253 | 167 | 173 | 138 | 282 | 108 | 88 | 2 | 2,015 | |

TABLE-2.2.2

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC M.S. CHEMISTS
by SELECTED STATES and YEARS SINCE BS
1982 Survey of ACS Members

| STATES | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0- | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| California | --- | --- | 30,750 | 36,000 | 42,000 | 45,500 | 44,000 | 43,875 | 45,585 | 74,700 | 60,000 | 42,500 - 75th %-ile |
| | --- | --- | 24,500 | 32,000 | 35,692 | 36,500 | 37,700 | 41,500 | 38,500 | 72,000 | 27,200 | 34,000 - Median |
| | --- | --- | 21,925 | 29,000 | 29,340 | 31,023 | 32,000 | 35,100 | 28,632 | 55,798 | 25,000 | 27,999 - 25th %-ile |
| | --- | --- | 26,585 | 33,072 | 35,624 | 38,859 | 36,998 | 40,465 | 37,572 | 66,599 | 36,735 | 35,997 - Mean |
| | --- | --- | 5,380 | 5,308 | 6,515 | 9,151 | 10,065 | 11,810 | 8,514 | 10,359 | 20,259 | 11,998 - Std Dev |
| | 0 | 0 | 20 | 15 | 11 | 9 | 15 | 8 | 5 | 5 | 5 | 89 - Count |
| Texas | --- | --- | 31,000 | 35,750 | 56,700 | 45,645 | 45,530 | 55,000 | 75,250 | 60,250 | 49,000 | 45,000 |
| | --- | 30,000 | 25,500 | 30,050 | 40,000 | 40,000 | 32,000 | 41,500 | 45,500 | 50,500 | 32,760 | 33,000 |
| | --- | --- | 21,020 | 22,955 | 25,000 | 30,400 | 30,875 | 36,500 | 38,250 | 38,500 | 25,000 | 27,000 |
| | --- | 30,000 | 29,751 | 30,507 | 39,471 | 37,618 | 36,082 | 43,665 | 55,000 | 49,750 | 35,287 | 35,819 |
| | --- | --- | 5,735 | 8,876 | 14,665 | 6,854 | 7,654 | 10,427 | 21,802 | 11,266 | 11,612 | 12,549 |
| | 0 | 1 | 13 | 20 | 7 | 5 | 5 | 11 | 4 | 4 | 7 | 77 |
| Illinois | --- | --- | 30,500 | 40,800 | 35,000 | 49,225 | 48,200 | 46,250 | 46,250 | 53,100 | 36,000 | 42,350 |
| | --- | 19,500 | 25,250 | 30,000 | 35,000 | 38,249 | 42,100 | 36,750 | 34,800 | 42,000 | 34,000 | 34,000 |
| | --- | --- | 19,662 | 28,000 | 30,000 | 27,005 | 36,400 | 28,125 | 26,104 | 28,500 | 21,600 | 26,750 |
| | --- | 19,500 | 26,046 | 33,731 | 35,333 | 39,042 | 42,422 | 42,875 | 35,718 | 41,040 | 31,578 | 35,392 |
| | --- | 424 | 6,840 | 8,828 | 2,887 | 20,221 | 7,454 | 24,470 | 10,964 | 14,111 | 8,980 | 14,068 |
| | 0 | 2 | 10 | 15 | 3 | 10 | 9 | 8 | 4 | 5 | 9 | 75 |
| Michigan | --- | 26,260 | 29,000 | 32,000 | 38,000 | 50,250 | --- | 48,000 | --- | --- | 34,500 | 40,000 |
| | --- | 23,800 | 25,000 | 36,000 | 35,250 | 35,000 | 50,000 | 42,100 | 65,000 | 45,000 | 27,000 | 32,500 |
| | --- | 19,000 | 22,000 | 27,390 | 32,000 | 31,450 | --- | 32,000 | --- | --- | 19,500 | 27,000 |
| | --- | 23,020 | 25,253 | 34,554 | 35,477 | 39,680 | 50,000 | 42,178 | 65,000 | 45,000 | 27,000 | 34,598 |
| | --- | 3,692 | 4,458 | 6,719 | 6,697 | 11,954 | --- | 12,580 | --- | --- | 8,803 | 10,984 |
| | 0 | 5 | 9 | 11 | 11 | 5 | 1 | 9 | 1 | 1 | 5 | 56 |
| Ohio | --- | 25,600 | 29,875 | 31,800 | 37,625 | 40,400 | 51,741 | 44,750 | --- | 42,000 | 38,000 | 38,500 |
| | --- | 25,000 | 27,700 | 28,900 | 33,850 | 34,500 | 41,008 | 38,240 | 46,650 | 38,000 | 29,000 | 31,250 |
| | --- | 18,800 | 25,100 | 27,120 | 29,060 | 29,750 | 26,800 | 34,475 | --- | 32,525 | 24,625 | 26,910 |
| | --- | 23,133 | 27,033 | 30,165 | 33,704 | 35,455 | 40,988 | 42,636 | 49,650 | 37,530 | 31,367 | 34,016 |
| | --- | 3,765 | 4,438 | 5,524 | 5,741 | 9,072 | 15,025 | 12,727 | 16,476 | 6,502 | 8,532 | 10,415 |
| | 0 | 5 | 20 | 14 | 10 | 13 | 9 | 16 | 2 | 5 | 12 | 104 |
| New Jersey | --- | 24,500 | 30,500 | 33,338 | 36,450 | 48,825 | 45,920 | 58,525 | 46,250 | 55,000 | 41,000 | 41,000 |
| | --- | 23,000 | 24,950 | 30,200 | 31,500 | 39,000 | 40,000 | 44,000 | 40,000 | 43,000 | 31,500 | 32,000 |
| | --- | 21,500 | 22,000 | 27,700 | 28,500 | 28,700 | 33,462 | 34,500 | 33,000 | 32,000 | 27,500 | 27,900 |
| | --- | 23,000 | 25,920 | 31,165 | 31,796 | 40,250 | 39,963 | 46,418 | 39,525 | 47,143 | 34,265 | 35,522 |
| | --- | 1,500 | 5,654 | 7,196 | 5,110 | 13,179 | 8,699 | 12,767 | 8,756 | 16,708 | 10,150 | 11,686 |
| | 0 | 3 | 23 | 16 | 21 | 10 | 9 | 22 | 8 | 7 | 27 | 146 |
| New York | --- | 31,550 | 29,700 | 32,850 | 47,000 | 40,778 | 60,000 | 51,000 | 37,700 | 41,040 | 48,200 | 40,520 |
| | --- | 25,288 | 25,750 | 30,000 | 38,000 | 34,486 | 50,000 | 40,000 | 34,000 | 35,200 | 36,000 | 32,700 |
| | --- | 24,144 | 21,000 | 26,000 | 29,300 | 22,950 | 40,000 | 30,400 | 28,000 | 30,500 | 35,000 | 26,800 |
| | --- | 26,994 | 25,626 | 30,300 | 40,024 | 35,493 | 48,986 | 41,551 | 34,569 | 38,965 | 39,864 | 35,075 |
| | --- | 4,355 | 4,803 | 7,065 | 12,137 | 14,341 | 9,352 | 12,114 | 9,425 | 17,224 | 8,966 | 11,711 |
| | 0 | 4 | 18 | 21 | 11 | 8 | 7 | 11 | 7 | 7 | 11 | 105 |
| Pennsylvania | --- | 25,400 | 30,000 | 33,000 | 43,100 | 52,000 | 49,500 | 47,750 | 60,000 | 55,750 | 35,500 | 42,242 |
| | --- | 23,500 | 26,000 | 30,000 | 32,800 | 43,000 | 41,884 | 40,000 | 48,000 | 41,500 | 31,500 | 33,000 |
| | --- | 21,500 | 24,500 | 25,288 | 22,650 | 35,000 | 31,750 | 34,600 | 38,588 | 40,000 | 26,475 | 26,038 |
| | --- | 23,460 | 26,442 | 29,777 | 32,850 | 45,214 | 40,461 | 41,902 | 49,035 | 45,750 | 30,050 | 35,426 |
| | --- | 2,431 | 4,665 | 5,749 | 10,685 | 15,195 | 9,694 | 11,999 | 11,352 | 9,605 | 4,957 | 11,910 |
| | 0 | 5 | 19 | 16 | 4 | 7 | 6 | 24 | 5 | 4 | 6 | 96 |
| No Response | --- | 26,000 | 29,000 | 35,250 | 42,000 | 42,000 | 45,750 | 50,000 | 44,625 | 54,000 | 40,000 | 41,000 |
| | --- | 24,792 | 24,950 | 28,650 | 35,600 | 37,000 | 40,000 | 40,000 | 37,120 | 45,000 | 32,000 | 32,750 |
| | --- | 20,500 | 21,575 | 25,000 | 28,800 | 30,000 | 34,625 | 35,000 | 27,500 | 35,000 | 26,000 | 26,000 |
| | --- | 23,269 | 25,475 | 30,569 | 37,503 | 37,520 | 39,955 | 42,615 | 36,541 | 44,039 | 33,729 | 34,745 |
| | --- | 5,926 | 5,597 | 8,060 | 14,084 | 10,396 | 12,241 | 11,781 | 11,119 | 15,616 | 9,751 | 11,903 |
| | 0 | 15 | 78 | 94 | 59 | 55 | 52 | 71 | 50 | 15 | 55 | 522 |
| TOTAL | --- | 26,000 | 30,000 | 35,000 | 40,000 | 45,075 | 46,641 | 49,150 | 47,500 | 55,000 | 40,000 | 41,000 |
| | --- | 24,000 | 25,550 | 30,000 | 33,600 | 36,250 | 40,000 | 40,400 | 37,850 | 45,000 | 32,000 | 33,000 |
| | --- | 20,750 | 22,000 | 26,000 | 29,100 | 30,000 | 34,000 | 34,575 | 32,000 | 35,500 | 26,000 | 26,600 |
| | --- | 23,654 | 25,913 | 30,959 | 36,113 | 38,147 | 40,345 | 42,880 | 39,461 | 45,568 | 33,703 | 35,036 |
| | --- | 3,695 | 5,295 | 7,503 | 11,247 | 11,825 | 11,209 | 12,565 | 12,476 | 15,186 | 9,955 | 11,866 |
| | 0 | 34 | 210 | 220 | 137 | 122 | 113 | 180 | 64 | 53 | 135 | 1,268 |

TABLE-2.2.3

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC Ph.D. CHEMISTS
by SELECTED STATES and YEARS SINCE BS
1982 Survey of ACS Members

| STATES | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| California | --- | --- | 35,000 | 40,000 | 50,000 | 52,000 | 53,750 | 56,000 | 50,415 | 65,750 | 56,625 | 50,320 - 75th %-ile |
| | --- | 31,000 | 33,000 | 36,400 | 39,798 | 45,000 | 50,000 | 50,000 | 49,150 | 56,200 | 44,750 | 41,500 - Median |
| | --- | --- | 30,000 | 31,000 | 34,000 | 40,000 | 44,550 | 45,000 | 43,150 | 41,813 | 35,150 | 35,000 - 25th %-ile |
| | --- | 31,000 | 32,506 | 36,612 | 42,230 | 47,615 | 51,052 | 51,792 | 46,937 | 54,146 | 47,260 | 45,891 - Mean |
| | --- | --- | 4,135 | 10,474 | 10,496 | 10,372 | 13,405 | 11,435 | 8,655 | 13,265 | 15,252 | 12,783 - Std Dev |
| | 0 | 1 | 23 | 65 | 46 | 27 | 25 | 31 | 20 | 12 | 30 | 278 - Count |
| Texas | --- | --- | 36,000 | 39,700 | 49,350 | 65,750 | 52,000 | 60,250 | 85,094 | 75,450 | 43,625 | 51,190 |
| | --- | --- | 32,000 | 38,000 | 45,900 | 47,500 | 48,000 | 52,500 | 56,500 | 57,850 | 39,350 | 42,000 |
| | --- | --- | 30,000 | 31,150 | 38,625 | 41,080 | 40,000 | 41,857 | 27,000 | 49,500 | 31,200 | 35,350 |
| | --- | --- | 32,643 | 37,105 | 44,315 | 51,357 | 46,949 | 49,896 | 56,198 | 62,383 | 40,340 | 44,782 |
| | --- | --- | 4,675 | 7,415 | 8,279 | 14,483 | 10,249 | 14,702 | 30,121 | 16,368 | 13,102 | 13,518 |
| | 0 | 0 | 15 | 21 | 36 | 24 | 11 | 14 | 4 | 6 | 10 | 141 |
| Illinois | --- | --- | 33,400 | 41,300 | 45,650 | 47,000 | 60,900 | 61,000 | 60,000 | 72,250 | 48,000 | 50,000 |
| | --- | 60,000 | 32,000 | 35,000 | 40,000 | 39,484 | 49,240 | 54,800 | 43,945 | 49,950 | 36,000 | 40,000 |
| | --- | --- | 30,500 | 33,000 | 33,975 | 31,500 | 41,235 | 40,000 | 36,250 | 40,350 | 28,000 | 33,850 |
| | --- | 60,000 | 31,900 | 38,276 | 40,207 | 41,799 | 50,886 | 51,104 | 50,736 | 56,162 | 38,333 | 44,079 |
| | --- | --- | 1,719 | 9,096 | 11,111 | 14,212 | 11,648 | 14,065 | 22,201 | 21,442 | 9,183 | 14,585 |
| | 0 | 1 | 9 | 27 | 30 | 19 | 20 | 23 | 8 | 12 | 15 | 164 |
| Michigan | --- | --- | 34,625 | 39,425 | 47,000 | 53,500 | 61,875 | 60,500 | 60,450 | 68,950 | 56,250 | 53,500 |
| | --- | --- | 31,000 | 35,000 | 43,000 | 47,400 | 53,000 | 49,000 | 51,000 | 58,000 | 45,000 | 45,000 |
| | --- | --- | 30,525 | 30,375 | 37,440 | 40,750 | 44,400 | 46,658 | 39,350 | 47,712 | 40,820 | 39,900 |
| | --- | --- | 32,412 | 35,573 | 42,995 | 49,070 | 55,975 | 53,460 | 50,267 | 58,369 | 53,518 | 45,725 |
| | --- | --- | 2,992 | 5,310 | 8,001 | 14,465 | 11,915 | 11,195 | 10,068 | 12,344 | 14,046 | 12,988 |
| | 0 | 0 | 13 | 24 | 23 | 22 | 12 | 22 | 6 | 9 | 13 | 149 |
| Ohio | --- | --- | 37,500 | 37,075 | 42,000 | 54,000 | 58,000 | 49,405 | 52,500 | 60,000 | 42,000 | 45,000 |
| | --- | --- | 33,150 | 35,000 | 38,500 | 46,248 | 48,785 | 43,920 | 43,830 | 47,500 | 35,000 | 38,850 |
| | --- | --- | 29,550 | 32,150 | 31,200 | 40,500 | 38,250 | 32,500 | 39,417 | 37,750 | 31,000 | 33,000 |
| | --- | --- | 33,615 | 35,666 | 36,945 | 47,913 | 48,425 | 44,103 | 45,875 | 49,610 | 36,440 | 40,389 |
| | --- | --- | 4,471 | 6,761 | 7,594 | 13,006 | 11,961 | 13,920 | 8,097 | 12,399 | 6,028 | 10,957 |
| | 0 | 0 | 13 | 24 | 39 | 13 | 24 | 17 | 8 | 10 | 18 | 166 |
| New Jersey | --- | --- | 37,795 | 42,000 | 52,000 | 50,800 | 63,000 | 65,000 | 67,500 | 69,912 | 52,750 | 53,340 |
| | --- | 20,000 | 33,500 | 37,700 | 44,000 | 46,000 | 54,000 | 54,000 | 50,000 | 53,000 | 43,100 | 43,500 |
| | --- | --- | 30,625 | 33,000 | 38,000 | 39,500 | 41,365 | 45,000 | 43,600 | 40,200 | 35,000 | 36,600 |
| | --- | 20,000 | 33,726 | 38,193 | 44,989 | 46,697 | 53,706 | 55,888 | 55,959 | 55,961 | 44,799 | 46,162 |
| | --- | --- | 3,963 | 7,453 | 9,518 | 10,391 | 15,376 | 18,203 | 16,607 | 16,508 | 12,155 | 13,917 |
| | 0 | 1 | 28 | 51 | 59 | 41 | 28 | 35 | 21 | 15 | 56 | 335 |
| New York | --- | --- | 35,000 | 40,000 | 47,350 | 58,900 | 57,000 | 68,300 | 55,050 | 65,000 | 52,150 | 51,200 |
| | --- | --- | 32,850 | 36,300 | 41,250 | 46,850 | 48,000 | 55,000 | 44,900 | 53,000 | 44,000 | 42,000 |
| | --- | --- | 29,325 | 31,625 | 37,250 | 40,250 | 40,500 | 44,000 | 38,000 | 40,000 | 35,750 | 35,000 |
| | --- | --- | 32,807 | 36,860 | 41,918 | 49,308 | 48,617 | 56,119 | 45,094 | 51,624 | 44,668 | 44,555 |
| | --- | --- | 4,687 | 7,649 | 8,117 | 12,506 | 11,231 | 15,954 | 11,819 | 15,059 | 12,954 | 12,892 |
| | 0 | 0 | 24 | 44 | 40 | 36 | 29 | 23 | 9 | 23 | 33 | 261 |
| Pennsylvania | --- | --- | 36,900 | 38,775 | 44,250 | 59,000 | 69,250 | 55,096 | 58,000 | 83,750 | 51,425 | 50,000 |
| | --- | --- | 33,700 | 35,500 | 40,044 | 51,000 | 47,500 | 47,000 | 47,600 | 54,575 | 35,500 | 40,044 |
| | --- | --- | 32,500 | 31,050 | 36,500 | 37,850 | 39,813 | 40,300 | 42,213 | 43,500 | 32,850 | 35,000 |
| | --- | --- | 34,420 | 35,617 | 42,555 | 50,074 | 52,372 | 47,833 | 49,500 | 63,024 | 40,825 | 44,038 |
| | --- | --- | 2,755 | 6,088 | 10,785 | 12,905 | 16,330 | 11,439 | 12,992 | 24,813 | 10,812 | 13,282 |
| | 0 | 0 | 14 | 36 | 33 | 25 | 20 | 21 | 12 | 6 | 28 | 195 |
| No Response | --- | --- | 34,750 | 40,850 | 44,000 | 50,300 | 56,033 | 59,910 | 58,225 | 60,000 | 49,500 | 50,000 |
| | --- | --- | 32,400 | 35,100 | 39,750 | 45,000 | 47,080 | 52,000 | 50,000 | 50,000 | 37,500 | 41,000 |
| | --- | --- | 30,000 | 31,016 | 34,000 | 40,000 | 40,000 | 44,000 | 40,819 | 42,000 | 33,000 | 34,000 |
| | --- | --- | 32,405 | 36,355 | 39,314 | 46,257 | 49,156 | 52,735 | 51,261 | 53,546 | 41,524 | 43,271 |
| | --- | --- | 4,044 | 7,437 | 8,654 | 12,011 | 13,826 | 13,323 | 13,866 | 15,777 | 12,636 | 12,972 |
| | 0 | 0 | 157 | 216 | 244 | 211 | 130 | 156 | 76 | 71 | 149 | 1,390 |
| TOTAL | --- | 60,000 | 35,000 | 40,000 | 45,050 | 52,100 | 57,500 | 60,000 | 57,500 | 65,827 | 50,000 | 50,000 |
| | --- | 31,000 | 32,520 | 36,000 | 40,000 | 45,550 | 48,000 | 51,000 | 49,150 | 51,000 | 40,000 | 41,250 |
| | --- | 20,000 | 30,000 | 32,000 | 35,000 | 40,000 | 40,539 | 43,980 | 41,000 | 42,000 | 35,624 | 34,800 |
| | --- | 37,000 | 32,735 | 36,627 | 40,912 | 47,168 | 50,073 | 52,290 | 50,664 | 54,428 | 42,675 | 43,901 |
| | --- | 20,664 | 3,987 | 7,777 | 9,276 | 12,312 | 15,396 | 13,948 | 14,222 | 16,003 | 12,617 | 13,118 |
| | 0 | 3 | 281 | 366 | 550 | 418 | 299 | 342 | 164 | 164 | 352 | 3,079 |

TABLE-2.3.1

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC B.S. CHEMISTS
by ACS LOCAL SECTION and YEARS SINCE BS
1982 Survey of ACS Members

| LOCAL SECTION | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
| So California | --- | 22,500 | 27,250 | 34,800 | 46,050 | 50,000 | 37,000 | 48,500 | --- | 65,000 | --- | 57,240 | - 75th %-ile |
| | 14,917 | 21,600 | 23,500 | 29,000 | 36,660 | 34,960 | 28,600 | 37,000 | 49,000 | 53,826 | --- | 29,400 | - MEDIAN |
| | --- | 17,550 | 20,715 | 24,250 | 25,845 | 32,250 | 25,924 | 33,150 | --- | 42,663 | --- | 22,200 | - 25th %-ile |
| | 14,917 | 21,437 | 24,120 | 31,775 | 37,643 | 38,589 | 32,389 | 39,125 | 49,000 | 55,163 | --- | 32,551 | - Mean |
| | 2,901 | 5,491 | 4,758 | 12,405 | 14,248 | 9,582 | 9,577 | 9,655 | 18,385 | 10,685 | --- | 12,542 | - Std Dev |
| | 2 | 13 | 18 | 8 | 8 | 14 | 7 | 12 | 2 | 4 | 0 | 88 | - Count |
| California | --- | 22,875 | 28,845 | 50,000 | 58,705 | 60,000 | 52,000 | 49,600 | 63,125 | 65,000 | --- | 37,800 | |
| | 17,500 | 21,800 | 26,000 | 26,050 | 27,810 | 57,000 | 41,000 | 36,770 | 51,809 | 57,500 | --- | 27,000 | |
| | --- | 19,625 | 23,750 | 24,250 | 25,350 | 55,500 | 36,000 | 28,950 | 45,155 | 34,800 | --- | 22,625 | |
| | 17,500 | 21,709 | 26,935 | 27,039 | 30,984 | 48,571 | 45,000 | 39,705 | 55,030 | 52,455 | --- | 32,084 | |
| | 4,950 | 4,049 | 6,619 | 4,295 | 10,455 | 14,785 | 8,185 | 14,911 | 12,490 | 15,725 | --- | 13,447 | |
| | 2 | 14 | 21 | 14 | 8 | 7 | 3 | 8 | 4 | 5 | 0 | 84 | |
| Chicago | 20,125 | 24,000 | 28,550 | 29,340 | 35,200 | 50,250 | 54,250 | 47,190 | 45,800 | --- | --- | 35,250 | |
| | 17,250 | 21,100 | 25,000 | 27,600 | 34,000 | 39,272 | 34,850 | 40,000 | 45,000 | 55,500 | --- | 28,200 | |
| | 14,925 | 18,850 | 21,800 | 21,800 | 30,000 | 32,500 | 28,238 | 35,075 | 27,523 | --- | --- | 22,200 | |
| | 17,317 | 21,612 | 25,729 | 26,412 | 35,617 | 39,768 | 39,544 | 41,819 | 39,505 | 55,500 | --- | 30,505 | |
| | 2,710 | 5,507 | 5,228 | 6,294 | 5,804 | 10,893 | 12,385 | 11,640 | 12,110 | 2,121 | --- | 11,193 | |
| | 6 | 20 | 29 | 13 | 11 | 8 | 8 | 16 | 7 | 2 | 0 | 125 | |
| Delaware | --- | 24,000 | 29,000 | 48,000 | --- | --- | --- | 53,500 | --- | 60,032 | --- | 47,700 | |
| | --- | 20,900 | 26,400 | 28,500 | 39,600 | 37,000 | --- | 47,600 | --- | 45,250 | --- | 37,000 | |
| | --- | 16,200 | 21,000 | 23,000 | --- | --- | --- | 36,500 | --- | 37,177 | --- | 25,800 | |
| | --- | 20,367 | 25,467 | 33,167 | 39,600 | 37,000 | --- | 45,520 | --- | 48,811 | --- | 37,912 | |
| | --- | 3,927 | 4,081 | 13,137 | --- | --- | --- | 9,426 | --- | 15,652 | --- | 14,599 | |
| | 0 | 3 | 5 | 3 | 1 | 1 | 0 | 5 | 0 | 6 | 0 | 22 | |
| New York | 23,350 | 24,625 | 31,925 | 41,314 | 45,595 | 41,426 | 75,750 | 54,500 | 78,250 | 49,050 | --- | 40,000 | |
| | 21,500 | 22,650 | 25,500 | 35,500 | 27,000 | 35,400 | 39,500 | 45,000 | 41,000 | 37,400 | --- | 31,000 | |
| | 17,500 | 18,953 | 21,630 | 26,325 | 15,750 | 27,000 | 27,375 | 37,500 | 31,500 | 31,750 | --- | 23,000 | |
| | 20,640 | 21,516 | 26,275 | 34,757 | 29,855 | 35,018 | 46,875 | 45,476 | 50,250 | 39,400 | --- | 32,980 | |
| | 3,666 | 4,269 | 5,357 | 9,763 | 15,274 | 6,529 | 25,898 | 12,113 | 27,146 | 9,227 | --- | 14,285 | |
| | 5 | 14 | 22 | 8 | 6 | 7 | 4 | 17 | 4 | 4 | 0 | 91 | |
| No. Jersey | 27,025 | 24,250 | 29,750 | 34,500 | 35,800 | 43,445 | 50,000 | 70,000 | 59,000 | 50,000 | --- | 40,150 | |
| | 20,500 | 20,600 | 26,625 | 31,000 | 30,000 | 37,000 | 38,500 | 40,000 | 42,000 | 47,000 | 22,176 | 31,050 | |
| | 18,250 | 18,850 | 23,500 | 28,300 | 28,000 | 35,175 | 35,000 | 32,000 | 40,000 | 45,000 | --- | 29,000 | |
| | 21,925 | 21,403 | 26,551 | 31,193 | 35,500 | 39,342 | 44,254 | 48,267 | 45,082 | 47,333 | 22,176 | 34,336 | |
| | 4,826 | 5,569 | 4,839 | 5,816 | 8,744 | 8,080 | 15,079 | 21,786 | 8,579 | 2,517 | --- | 14,260 | |
| | 4 | 26 | 20 | 17 | 7 | 13 | 19 | 15 | 11 | 5 | 1 | 156 | |
| No. Eastern | 22,675 | 25,004 | 28,000 | 44,000 | 45,625 | 55,000 | 41,000 | 50,000 | 77,500 | 57,100 | --- | 40,000 | |
| | 20,026 | 20,000 | 24,000 | 31,500 | 37,500 | 35,000 | 37,000 | 37,000 | 37,000 | 40,000 | --- | 30,000 | |
| | 17,800 | 14,700 | 19,000 | 27,000 | 26,250 | 25,000 | 31,750 | 35,460 | 30,820 | 36,575 | --- | 22,100 | |
| | 20,957 | 20,229 | 23,887 | 37,536 | 39,583 | 37,667 | 36,278 | 42,636 | 50,238 | 48,550 | --- | 33, 38 | |
| | 3,785 | 5,113 | 6,539 | 20,332 | 11,092 | 14,189 | 5,810 | 8,521 | 27,840 | 25,579 | --- | 17,101 | |
| | 8 | 17 | 15 | 11 | 6 | 3 | 9 | 11 | 9 | 6 | 0 | 95 | |
| Philadelphia | --- | 21,550 | 33,000 | 32,563 | 37,025 | 42,288 | 39,137 | 50,000 | 60,900 | 35,000 | --- | 39,500 | |
| | 18,300 | 19,850 | 24,800 | 25,200 | 32,500 | 38,575 | 35,500 | 41,250 | 45,500 | 34,000 | --- | 32,375 | |
| | --- | 19,000 | 20,500 | 23,000 | 28,775 | 36,250 | 27,049 | 34,000 | 38,250 | 32,000 | --- | 25,000 | |
| | 18,300 | 21,697 | 25,938 | 27,334 | 33,420 | 39,038 | 33,046 | 41,226 | 50,867 | 33,667 | --- | 32,297 | |
| | --- | 7,515 | 6,593 | 5,326 | 5,793 | 3,179 | 9,201 | 9,026 | 20,194 | 1,528 | --- | 11,901 | |
| | 1 | 14 | 14 | 10 | 10 | 4 | 6 | 16 | 6 | 3 | 0 | 84 | |
| Pittsburgh | --- | 24,500 | 24,563 | 37,500 | 42,250 | 39,000 | 33,200 | 52,116 | --- | --- | --- | 39,000 | |
| | 21,600 | 22,000 | 23,650 | 42,500 | 39,500 | 36,000 | 27,893 | 35,500 | --- | 45,000 | --- | 29,000 | |
| | --- | 17,850 | 18,875 | 26,000 | 33,225 | 33,000 | 25,550 | 32,900 | --- | --- | --- | 23,000 | |
| | 21,600 | 20,976 | 22,565 | 42,000 | 37,563 | 36,000 | 28,831 | 39,101 | --- | 45,000 | --- | 31,618 | |
| | --- | 4,516 | 5,318 | 17,416 | 6,443 | 5,000 | 4,128 | 12,035 | --- | --- | --- | 11,627 | |
| | 1 | 13 | 4 | 4 | 8 | 3 | 4 | 11 | 0 | 1 | 0 | 49 | |
| SE Texas | --- | 25,910 | 29,575 | 37,000 | --- | 46,500 | 78,000 | 77,750 | 74,500 | 40,000 | --- | 45,800 | |
| | --- | 22,500 | 27,750 | 33,500 | 44,800 | 42,360 | 50,000 | 57,000 | 53,000 | 37,000 | --- | 31,140 | |
| | --- | 17,875 | 25,425 | 24,500 | --- | 25,212 | 43,428 | 36,500 | 46,400 | 31,140 | --- | 25,100 | |
| | --- | 22,328 | 29,057 | 31,392 | 44,800 | 37,157 | 58,571 | 57,100 | 61,013 | 36,047 | --- | 37,784 | |
| | --- | 4,814 | 6,535 | 6,755 | 1,151 | 11,073 | 22,018 | 23 933 | 21,599 | 4,506 | --- | 19,686 | |
| | 0 | 14 | 14 | 12 | 2 | 5 | 5 | 5 | 9 | 3 | 0 | 69 | |
| Washington DC | 18,072 | 22,175 | 28,300 | 31,825 | 41,000 | 40,547 | 48,535 | 50,275 | 49,375 | --- | --- | 38,926 | |
| | 18,000 | 18,500 | 23,560 | 24,478 | 40,000 | 35,500 | 36,700 | 37,908 | 45,585 | 39,186 | --- | 32,000 | |
| | 15,991 | 15,500 | 20,000 | 21,589 | 36,000 | 32,000 | 33,891 | 34,700 | 26,935 | --- | --- | 20,400 | |
| | 17,354 | 18,906 | 24,658 | 25,964 | 39,000 | 35,492 | 40,309 | 39,117 | 42,648 | 39,186 | --- | 30,761 | |
| | 1,181 | 3,744 | 5,910 | 5,710 | 2,646 | 6,515 | 10,688 | 10,709 | 15,078 | --- | --- | 11,207 | |
| | 3 | 9 | 11 | 4 | 3 | 8 | 5 | 9 | 4 | 1 | 0 | 57 | |
| None of Above | 23,000 | 25,350 | 28,000 | 32,000 | 38,000 | 40,000 | 44,500 | 44,385 | 52,000 | 50,000 | --- | 36,370 | |
| | 21,000 | 21,000 | 25,000 | 27,500 | 32,950 | 35,000 | 36,944 | 37,000 | 40 000 | 40,500 | 23,200 | 28,000 | |
| | 20,000 | 18,000 | 20,900 | 23,856 | 27,875 | 28,375 | 30,000 | 29,485 | 31,600 | 33,000 | --- | 22,000 | |
| | 21,622 | 20,881 | 24,810 | 28,470 | 33,931 | 33,502 | 37,874 | 37,651 | 42,857 | 42,424 | 23,200 | 30,494 | |
| | 2,560 | 4,004 | 5,524 | 7,917 | 9,004 | 9,855 | 10,173 | 13,146 | 15,968 | 12,455 | --- | 11,605 | |
| | 26 | 185 | 193 | 137 | 94 | 96 | 68 | 146 | 51 | 51 | 1 | 1,046 | |
| No Response | 25,250 | 25,250 | 28,200 | 35,000 | 34,500 | 35,900 | --- | 48,100 | --- | --- | --- | 32,500 | |
| | 20,200 | 21,600 | 25,000 | 31,000 | 33,897 | 30,000 | --- | 42,500 | 52,000 | 28,500 | --- | 27,300 | |
| | 15,600 | 18,800 | 19,500 | 27,000 | 29,700 | 25,035 | --- | 35,000 | --- | --- | --- | 21,950 | |
| | 21,550 | 21,193 | 25,025 | 31,500 | 32,699 | 31,165 | --- | 42,145 | 52,000 | 28,500 | --- | 28,274 | |
| | 6,670 | 2,868 | 5,194 | 5,284 | 2,615 | 7,567 | --- | 7,412 | --- | --- | --- | 8,856 | |
| | 4 | 17 | 19 | 7 | 3 | 6 | 0 | 11 | 1 | 1 | 0 | 69 | |
| TOTAL | 22,000 | 25,850 | 28,500 | 35,000 | 39,000 | 41,000 | 44,892 | 47,700 | 54,705 | 50,000 | --- | 37,200 | |
| | 20,026 | 21,000 | 25,000 | 28,000 | 33,950 | 35,000 | 36,960 | 38,000 | 43,000 | 40,900 | 22,988 | 28,968 | |
| | 18,000 | 18,252 | 21,200 | 24,000 | 28,000 | 29,550 | 30,000 | 32,225 | 34,879 | 34,150 | --- | 22,500 | |
| | 20,455 | 21,050 | 25,284 | 29,552 | 34,209 | 35,671 | 39,207 | 40,205 | 46,073 | 43,706 | 22,688 | 31,505 | |
| | 5,657 | 4,226 | 5,608 | 9,006 | 9,371 | 9,877 | 12,605 | 13,390 | 17,762 | 13,509 | 724 | 12,690 | |
| | 62 | 359 | 383 | 295 | 167 | 175 | 138 | 282 | 108 | 88 | 2 | 2,015 | |

TABLE-2.5.2

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC M.S. CHEMISTS
by ACS LOCAL SECTION and YEARS SINCE BS
1982 Survey of ACS Members

| LOCAL SECTION | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| So California | --- | --- | 30,750 | 41,250 | 41,769 | --- | 46,125 | --- | --- | --- | 37,000 | 41,538 - 75th %-ile |
| | --- | --- | 27,800 | 34,850 | 33,596 | 44,512 | 42,000 | --- | 42,043 | 72,000 | 27,200 | 32,400 - Median |
| | --- | --- | 22,425 | 29,047 | 29,085 | --- | 35,500 | --- | --- | --- | 25,000 | 27,800 - 25th %-ile |
| | --- | --- | 27,150 | 34,936 | 34,841 | 44,512 | 40,750 | --- | 42,043 | 72,000 | 29,067 | 34,544 - Mean |
| | --- | --- | 4,778 | 6,461 | 6,644 | --- | 6,751 | --- | --- | 5,010 | --- | 7,184 9,750 - Std Dev |
| | 0 | 0 | 12 | 8 | 8 | 1 | 6 | 0 | 2 | 1 | 5 | 41 - Count |
| California | --- | --- | 31,000 | 34,150 | 45,000 | 45,000 | 43,750 | 48,600 | --- | --- | --- | 40,750 |
| | --- | --- | 25,000 | 32,500 | 37,000 | 32,500 | 37,000 | 42,250 | 28,632 | 55,793 | --- | 32,750 |
| | --- | --- | 22,000 | 29,925 | 31,100 | 30,046 | 24,977 | 32,000 | --- | --- | --- | 27,024 |
| | --- | --- | 26,932 | 31,883 | 37,700 | 35,720 | 35,243 | 41,150 | 28,632 | 55,793 | --- | 34,884 |
| | --- | --- | 5,852 | 2,855 | 6,976 | 7,170 | 9,925 | 13,705 | --- | 5,443 | --- | 10,092 |
| | 0 | 0 | 11 | 6 | 5 | 7 | 4 | 6 | 1 | 2 | 0 | 40 |
| Chicago | --- | --- | 29,750 | 37,750 | 35,000 | 50,150 | 48,200 | 72,500 | 38,750 | 57,650 | 35,000 | 42,025 |
| | --- | 18,500 | 26,000 | 29,664 | 34,400 | 42,600 | 42,100 | 38,000 | 32,500 | 43,000 | 27,544 | 32,000 |
| | --- | --- | 21,500 | 27,625 | 32,450 | 28,750 | 37,435 | 26,000 | 25,818 | 34,500 | 22,000 | 26,000 |
| | --- | 19,500 | 26,238 | 32,367 | 33,950 | 43,222 | 42,646 | 49,071 | 32,812 | 45,050 | 29,552 | 34,957 |
| | --- | 424 | 6,178 | 3,378 | 1,418 | 8,936 | 7,259 | 27,992 | 9,798 | 12,581 | 8,346 | 14,465 |
| | 0 | 2 | 13 | 12 | 4 | 9 | 9 | 7 | 6 | 4 | 12 | 78 |
| Delaware | --- | --- | --- | 36,000 | --- | 36,000 | 42,000 | 57,500 | --- | --- | --- | 41,875 |
| | --- | --- | 39,000 | 31,500 | 38,000 | 34,000 | 38,000 | 41,142 | --- | 60,000 | 33,000 | 36,000 |
| | --- | --- | --- | 27,000 | --- | 18,288 | 35,000 | 35,050 | --- | --- | --- | 31,125 |
| | --- | --- | 39,000 | 31,426 | 38,000 | 29,763 | 38,333 | 44,947 | --- | 60,000 | 33,000 | 37,290 |
| | --- | --- | 15,556 | 6,317 | --- | 9,126 | 5,512 | 12,676 | --- | --- | --- | 11,023 |
| | 0 | 0 | 2 | 7 | 1 | 3 | 3 | 6 | 0 | 1 | 1 | 24 |
| New York | --- | 38,550 | 30,000 | 32,925 | 49,825 | 48,028 | 51,250 | 49,250 | 43,445 | 59,250 | 43,950 | 42,370 |
| | --- | 25,288 | 26,000 | 29,850 | 38,000 | 36,000 | 49,500 | 40,000 | 37,350 | 40,520 | 35,000 | 33,400 |
| | --- | 23,575 | 25,000 | 28,000 | 28,650 | 29,150 | 39,231 | 31,550 | 31,000 | 30,150 | 32,000 | 27,000 |
| | --- | 26,513 | 26,050 | 30,370 | 41,013 | 38,528 | 47,382 | 40,475 | 38,698 | 44,040 | 38,411 | 36,056 |
| | --- | 4,297 | 4,860 | 6,962 | 13,251 | 15,045 | 7,892 | 11,694 | 10,622 | 18,639 | 9,277 | 11,981 |
| | 0 | 6 | 15 | 20 | 9 | 6 | 10 | 12 | 10 | 6 | 9 | 103 |
| No. Jersey | --- | 28,500 | 30,125 | 34,000 | 37,145 | 50,700 | 50,500 | 54,000 | 40,200 | 55,000 | 42,000 | 41,750 |
| | --- | 23,000 | 24,200 | 30,000 | 31,250 | 43,000 | 42,000 | 43,750 | 40,000 | 43,000 | 30,500 | 32,000 |
| | --- | 21,500 | 21,670 | 26,800 | 28,500 | 29,600 | 32,950 | 33,000 | 32,000 | 35,000 | 29,000 | 26,000 |
| | --- | 23,000 | 24,962 | 31,023 | 31,785 | 43,071 | 41,780 | 45,573 | 38,314 | 47,714 | 34,568 | 35,598 |
| | --- | 1,500 | 5,436 | 8,213 | 5,242 | 14,988 | 10,583 | 12,362 | 8,681 | 16,122 | 10,973 | 12,161 |
| | 0 | 3 | 22 | 15 | 20 | 7 | 5 | 22 | 7 | 7 | 19 | 125 |
| No. Eastern | --- | --- | 28,170 | 32,400 | 37,500 | 60,500 | 43,400 | 52,220 | --- | --- | 45,850 | 40,000 |
| | --- | 22,250 | 23,676 | 29,000 | 32,500 | 37,000 | 40,000 | 39,364 | 37,750 | 40,500 | 36,700 | 32,500 |
| | --- | --- | 20,250 | 23,000 | 27,500 | 34,000 | 32,250 | 34,250 | --- | --- | 28,375 | 26,000 |
| | --- | 22,250 | 23,902 | 29,213 | 33,611 | 45,200 | 38,260 | 43,554 | 37,750 | 40,500 | 35,988 | 34,949 |
| | --- | 5,303 | 4,147 | 7,977 | 23,690 | 17,668 | 6,551 | 13,723 | 14,496 | 5,536 | 10,502 | 14,242 |
| | 0 | 2 | 8 | 15 | 9 | 5 | 5 | 9 | 2 | 2 | 8 | 65 |
| Philadelphia | --- | 26,100 | 31,125 | 37,144 | --- | 42,250 | 47,000 | 50,363 | --- | --- | 38,500 | 40,000 |
| | --- | 23,750 | 27,050 | 30,000 | 33,500 | 32,550 | 37,500 | 46,500 | 52,488 | 46,000 | 31,750 | 32,000 |
| | --- | 20,875 | 24,625 | 24,500 | --- | 26,375 | 27,250 | 35,250 | --- | --- | 26,475 | 26,000 |
| | --- | 23,575 | 27,125 | 30,382 | 33,500 | 37,775 | 37,250 | 45,194 | 52,488 | 46,000 | 33,135 | 34,540 |
| | --- | 2,791 | 4,271 | 6,855 | 2,121 | 16,561 | 10,210 | 10,843 | 17,695 | 3,485 | 10,308 | 11,779 |
| | 0 | 4 | 12 | 9 | 2 | 5 | 4 | 8 | 2 | 2 | 6 | 57 |
| Pittsburgh | --- | --- | 31,500 | 36,000 | --- | 50,000 | --- | 47,100 | --- | --- | 35,000 | 43,050 |
| | --- | 23,000 | 27,250 | 33,000 | 38,200 | 42,500 | 46,084 | 40,000 | 43,000 | 41,500 | 33,000 | 35,000 |
| | --- | --- | 17,375 | 23,750 | --- | 36,500 | --- | 27,500 | --- | --- | 31,000 | 30,000 |
| | --- | 23,000 | 29,375 | 32,500 | 38,200 | 43,000 | 46,084 | 38,367 | 43,000 | 41,500 | 33,000 | 36,559 |
| | --- | --- | 7,659 | 3,808 | 10,743 | 7,071 | 6,955 | 13,435 | --- | 2,121 | 2,000 | 9,876 |
| | 0 | 1 | 4 | 5 | 2 | 4 | 2 | 6 | 1 | 2 | 3 | 30 |
| SE Texas | --- | --- | 32,400 | 37,200 | 57,525 | --- | --- | 55,500 | --- | 55,000 | 50,500 | 44,645 |
| | --- | --- | 28,224 | 35,000 | 36,000 | 37,645 | 39,350 | 37,350 | 55,000 | 46,000 | 32,760 | 35,000 |
| | --- | --- | 24,100 | 26,050 | 24,250 | --- | --- | 34,750 | --- | 36,000 | 26,450 | 30,050 |
| | --- | --- | 27,461 | 32,904 | 34,283 | 37,645 | 39,350 | 41,950 | 55,000 | 45,667 | 37,332 | 37,521 |
| | --- | --- | 6,018 | 7,297 | 16,055 | 7,985 | 13,195 | 9,462 | --- | 9,504 | 13,060 | 13,207 |
| | 0 | 0 | 7 | 9 | 6 | 2 | 2 | 6 | 1 | 3 | 5 | 41 |
| Washington DC | --- | --- | --- | 47,000 | 41,750 | 42,000 | 42,000 | --- | --- | --- | 48,250 | 44,622 |
| | --- | --- | 19,000 | 39,000 | 34,500 | 43,666 | 38,500 | 55,250 | 38,500 | 36,250 | 40,000 | 39,000 |
| | --- | --- | --- | 28,623 | 27,275 | 32,413 | 24,352 | --- | --- | --- | 28,000 | 29,000 |
| | --- | --- | 19,000 | 36,803 | 35,713 | 41,526 | 34,951 | 55,250 | 38,500 | 36,250 | 38,500 | 38,220 |
| | --- | --- | --- | 10,542 | 8,976 | 10,271 | 9,344 | 8,839 | 5,536 | 354 | 12,590 | 10,392 |
| | 0 | 0 | 1 | 9 | 8 | 9 | 5 | 2 | 2 | 2 | 5 | 41 |
| None of Above | --- | 26,000 | 29,000 | 35,000 | 40,000 | 41,500 | 45,210 | 45,000 | 47,000 | 58,500 | 39,415 | 40,000 |
| | --- | 25,000 | 26,000 | 29,200 | 33,600 | 36,000 | 39,000 | 39,800 | 37,720 | 40,000 | 31,000 | 32,000 |
| | --- | 21,000 | 21,700 | 25,500 | 30,000 | 30,000 | 31,565 | 33,300 | 31,590 | 30,250 | 25,925 | 26,200 |
| | --- | 23,957 | 25,664 | 30,451 | 36,021 | 36,367 | 39,535 | 41,188 | 39,008 | 44,173 | 32,804 | 34,388 |
| | --- | 3,303 | 5,108 | 7,710 | 10,665 | 9,190 | 13,125 | 10,907 | 12,299 | 17,971 | 9,148 | 11,551 |
| | 0 | 15 | 96 | 99 | 63 | 59 | 58 | 91 | 30 | 21 | 60 | 592 |
| No Response | --- | --- | 26,000 | 30,000 | --- | --- | --- | 69,000 | --- | --- | 52,000 | 41,000 |
| | --- | 16,000 | 26,000 | 26,500 | 47,700 | 40,250 | 41,500 | 50,000 | --- | --- | 27,000 | 27,000 |
| | --- | --- | 24,000 | 24,850 | --- | --- | --- | 41,473 | --- | --- | 25,850 | 25,000 |
| | --- | 16,000 | 25,000 | 26,606 | 47,700 | 40,250 | 41,500 | 54,509 | --- | --- | 34,950 | 34,648 |
| | --- | --- | 3,606 | 5,782 | 17,595 | 554 | 21,920 | 13,854 | --- | --- | 16,750 | 14,738 |
| | 0 | 1 | 7 | 8 | 2 | 2 | 2 | 5 | 0 | 0 | 4 | 31 |
| TOTAL | --- | 26,000 | 30,000 | 35,000 | 40,000 | 43,073 | 46,641 | 49,150 | 47,500 | 55,000 | 40,000 | 41,000 |
| | --- | 24,000 | 25,550 | 30,000 | 33,600 | 36,250 | 40,000 | 40,400 | 37,850 | 43,000 | 32,000 | 33,000 |
| | --- | 20,750 | 22,000 | 26,000 | 29,100 | 32,000 | 34,000 | 34,575 | 32,000 | 35,500 | 26,000 | 26,600 |
| | --- | 23,654 | 25,913 | 30,959 | 36,113 | 38,147 | 40,345 | 42,880 | 39,461 | 45,569 | 33,705 | 35,036 |
| | --- | 3,695 | 5,295 | 7,503 | 11,247 | 11,823 | 11,209 | 12,563 | 12,476 | 15,186 | 9,855 | 11,866 |
| | 0 | 54 | 210 | 220 | 157 | 122 | 113 | 180 | 64 | 55 | 155 | 1,268 |

TABLE-2.3.3

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC Ph.D. CHEMISTS
by ACS LOCAL SECTION and YEARS SINCE BS
1982 Survey of ACS Members

| LOCAL SECTION | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| So. California | --- | --- | 36,250 | 42,000 | 47,750 | 50,000 | 62,500 | 66,500 | 46,250 | 68,200 | 47,100 | 50,000 - 75th %-ile |
| | --- | 31,000 | 33,000 | 35,750 | 38,750 | 45,000 | 50,350 | 49,000 | 43,750 | 45,000 | 38,500 | 42,000 - Median |
| | --- | --- | 30,000 | 28,250 | 35,750 | 43,000 | 44,825 | 40,500 | 38,750 | 40,375 | 37,000 | 36,000 - 25th %-ile |
| | --- | 31,000 | 33,711 | 33,793 | 42,933 | 46,116 | 55,994 | 55,333 | 42,917 | 52,430 | 41,371 | 43,945 - Mean |
| | --- | --- | 4,635 | 13,595 | 10,983 | 4,422 | 16,045 | 20,457 | 5,064 | 16,743 | 5,620 | 14,009 - Std Dev |
| | 0 | 1 | 9 | 14 | 18 | 11 | 12 | 9 | 6 | 5 | 7 | 92 - Count |
| California | --- | --- | 34,660 | 40,072 | 49,250 | 60,000 | 65,000 | 58,419 | 52,235 | 63,750 | 61,250 | 54,500 |
| | --- | --- | 33,000 | 37,382 | 39,995 | 45,000 | 48,000 | 54,000 | 50,000 | 61,300 | 50,250 | 41,426 |
| | --- | --- | 29,500 | 34,875 | 33,284 | 40,000 | 41,713 | 46,250 | 38,800 | 48,500 | 33,750 | 34,500 |
| | --- | --- | 32,218 | 38,942 | 41,247 | 49,271 | 55,347 | 52,973 | 46,356 | 56,325 | 50,289 | 44,950 |
| | --- | --- | 3,963 | 9,118 | 10,430 | 14,493 | 20,035 | 7,357 | 8,836 | 10,949 | 18,362 | 13,398 |
| | 0 | 0 | 13 | 38 | 25 | 11 | 9 | 20 | 9 | 8 | 18 | 151 |
| Chicago | --- | --- | 33,450 | 40,575 | 45,100 | 50,875 | 63,250 | 62,350 | 61,000 | 76,000 | 48,000 | 50,000 |
| | --- | 60,000 | 31,900 | 35,000 | 39,060 | 38,000 | 51,500 | 53,500 | 47,814 | 53,000 | 37,000 | 40,000 |
| | --- | --- | 29,875 | 31,900 | 33,400 | 31,250 | 41,745 | 39,500 | 37,816 | 41,050 | 30,900 | 33,300 |
| | --- | 60,000 | 31,432 | 37,513 | 39,690 | 42,511 | 53,566 | 51,412 | 52,756 | 59,340 | 38,863 | 43,759 |
| | --- | --- | 2,776 | 9,311 | 10,783 | 14,740 | 11,067 | 14,494 | 21,389 | 21,771 | 8,727 | 14,482 |
| | 0 | 1 | 12 | 30 | 33 | 18 | 18 | 22 | 8 | 10 | 19 | 171 |
| Delaware | --- | --- | 35,250 | 49,500 | 46,000 | 56,400 | 56,375 | 65,250 | 60,000 | 81,750 | 59,925 | 56,400 |
| | --- | --- | 33,060 | 39,000 | 44,000 | 50,070 | 47,420 | 55,250 | 50,400 | 60,000 | 50,500 | 46,320 |
| | --- | --- | 31,225 | 33,000 | 42,000 | 42,248 | 42,560 | 50,050 | 44,600 | 47,000 | 34,440 | 38,300 |
| | --- | --- | 33,595 | 40,545 | 44,862 | 51,528 | 51,360 | 57,135 | 55,231 | 64,706 | 49,040 | 49,409 |
| | --- | --- | 2,948 | 7,425 | 6,615 | 11,381 | 12,923 | 11,293 | 17,282 | 20,941 | 15,542 | 15,198 |
| | 0 | 0 | 20 | 13 | 11 | 18 | 8 | 22 | 11 | 13 | 14 | 130 |
| New York | --- | --- | 35,275 | 40,000 | 45,375 | 50,000 | 52,700 | 62,250 | 52,800 | 59,625 | 57,000 | 50,000 |
| | --- | --- | 32,850 | 36,300 | 41,000 | 43,500 | 47,000 | 52,500 | 41,050 | 41,625 | 49,000 | 40,450 |
| | --- | --- | 30,225 | 32,206 | 35,400 | 35,750 | 40,000 | 42,075 | 38,000 | 38,500 | 32,895 | 35,000 |
| | --- | --- | 33,468 | 36,990 | 38,971 | 43,367 | 48,320 | 52,040 | 43,495 | 47,071 | 46,016 | 43,050 |
| | --- | --- | 4,842 | 7,643 | 8,502 | 10,854 | 15,283 | 13,846 | 10,139 | 13,674 | 15,195 | 12,542 |
| | 0 | 0 | 14 | 38 | 21 | 18 | 19 | 20 | 11 | 12 | 21 | 174 |
| No. Jersey | --- | --- | 37,600 | 42,500 | 52,000 | 50,800 | 66,000 | 65,000 | 66,750 | 77,500 | 52,750 | 53,000 |
| | --- | 20,000 | 33,500 | 36,696 | 44,350 | 46,000 | 57,000 | 54,000 | 49,000 | 53,500 | 40,500 | 43,200 |
| | --- | --- | 31,100 | 32,400 | 38,000 | 40,500 | 48,500 | 46,000 | 42,650 | 43,250 | 32,250 | 35,010 |
| | --- | 20,000 | 33,688 | 38,058 | 45,569 | 46,906 | 56,737 | 56,721 | 54,803 | 58,791 | 42,918 | 45,982 |
| | --- | --- | 3,485 | 7,844 | 9,474 | 10,073 | 13,933 | 19,171 | 16,320 | 18,849 | 12,046 | 14,097 |
| | 0 | 1 | 23 | 45 | 50 | 33 | 21 | 27 | 18 | 10 | 48 | 276 |
| No. Eastern | --- | --- | 34,525 | 40,000 | 45,000 | 58,500 | 55,500 | 70,000 | 70,000 | 75,000 | 48,000 | 50,000 |
| | --- | --- | 32,200 | 35,646 | 40,500 | 48,000 | 46,625 | 55,000 | 52,000 | 46,500 | 36,000 | 41,000 |
| | --- | --- | 29,125 | 33,250 | 35,000 | 42,000 | 40,250 | 44,400 | 39,600 | 40,125 | 31,850 | 34,000 |
| | --- | --- | 31,709 | 36,145 | 41,055 | 53,893 | 46,766 | 57,400 | 53,867 | 55,349 | 41,363 | 44,191 |
| | --- | --- | 3,588 | 6,990 | 7,833 | 19,364 | 15,605 | 14,436 | 15,286 | 18,485 | 14,037 | 15,291 |
| | 0 | 0 | 22 | 16 | 27 | 27 | 16 | 11 | 5 | 5 | 16 | 145 |
| Philadelphia | --- | --- | 36,000 | 39,925 | 42,088 | 53,625 | 69,500 | 52,000 | 56,000 | 69,360 | 49,125 | 47,500 |
| | --- | --- | 33,800 | 35,500 | 39,550 | 45,700 | 45,000 | 47,200 | 45,200 | 44,650 | 37,500 | 40,050 |
| | --- | --- | 32,000 | 33,650 | 35,375 | 36,750 | 39,325 | 44,384 | 41,700 | 38,150 | 33,150 | 35,000 |
| | --- | --- | 34,127 | 36,366 | 41,530 | 47,291 | 51,127 | 48,158 | 48,773 | 52,174 | 41,073 | 43,330 |
| | --- | --- | 3,058 | 5,882 | 12,268 | 12,288 | 17,794 | 8,372 | 13,527 | 18,882 | 11,288 | 12,536 |
| | 0 | 0 | 11 | 25 | 22 | 22 | 13 | 14 | 11 | 6 | 24 | 148 |
| Pittsburgh | --- | --- | 38,000 | 35,510 | 55,500 | 60,000 | 65,000 | 56,955 | --- | --- | 65,500 | 56,366 |
| | --- | --- | 31,600 | 30,500 | 46,500 | 55,000 | 44,200 | 47,896 | 52,000 | 60,000 | 45,600 | 44,000 |
| | --- | --- | 27,050 | 28,252 | 34,800 | 44,000 | 38,593 | 36,400 | --- | --- | 28,495 | 31,800 |
| | --- | --- | 32,217 | 33,295 | 45,033 | 53,814 | 49,910 | 47,383 | 52,000 | 60,000 | 45,865 | 45,664 |
| | --- | --- | 5,501 | 8,317 | 10,185 | 10,423 | 14,322 | 11,002 | 0 | 21,213 | 20,206 | 13,726 |
| | 0 | 0 | 5 | 8 | 6 | 7 | 9 | 4 | 2 | 2 | 4 | 55 |
| SE Texas | --- | --- | 36,375 | 40,000 | 49,350 | 67,000 | 65,250 | 62,250 | --- | 80,000 | 48,875 | 50,000 |
| | --- | --- | 33,150 | 39,000 | 43,400 | 45,000 | 47,500 | 50,220 | 53,150 | 49,000 | 39,350 | 41,000 |
| | --- | --- | 30,000 | 36,000 | 38,625 | 38,000 | 37,955 | 41,713 | --- | 38,250 | 32,900 | 35,200 |
| | --- | --- | 33,638 | 38,234 | 44,565 | 51,715 | 48,950 | 50,794 | 53,150 | 55,750 | 41,480 | 44,597 |
| | --- | --- | 5,744 | 4,049 | 9,119 | 18,259 | 13,777 | 13,101 | 7,283 | 23,782 | 12,944 | 13,160 |
| | 0 | 0 | 12 | 15 | 24 | 15 | 8 | 9 | 2 | 4 | 10 | 99 |
| Washington DC | --- | --- | 34,000 | 35,250 | 44,092 | 48,000 | 56,756 | 57,750 | 56,750 | 57,500 | 41,000 | 50,000 |
| | --- | --- | 31,000 | 33,000 | 39,593 | 44,000 | 47,600 | 55,000 | 48,531 | 46,000 | 36,945 | 42,400 |
| | --- | --- | 28,123 | 29,050 | 34,927 | 40,325 | 44,500 | 50,200 | 40,000 | 43,500 | 33,600 | 35,300 |
| | --- | --- | 30,638 | 32,495 | 40,148 | 44,319 | 49,454 | 53,563 | 48,204 | 51,454 | 37,792 | 43,097 |
| | --- | --- | 3,530 | 4,063 | 7,157 | 6,512 | 6,680 | 5,233 | 8,205 | 11,250 | 7,093 | 9,788 |
| | 0 | 0 | 9 | 13 | 30 | 20 | 17 | 13 | 8 | 13 | 15 | 138 |
| None of Above | --- | --- | 35,000 | 40,000 | 44,000 | 52,000 | 56,700 | 59,160 | 60,000 | 60,000 | 47,700 | 50,000 |
| | --- | --- | 32,350 | 35,100 | 40,000 | 45,000 | 48,000 | 50,000 | 50,000 | 51,000 | 39,570 | 41,000 |
| | --- | --- | 30,000 | 30,500 | 34,500 | 39,542 | 40,000 | 41,514 | 42,000 | 41,165 | 34,000 | 34,315 |
| | --- | --- | 32,498 | 36,121 | 39,610 | 46,263 | 49,280 | 51,011 | 51,183 | 52,55 | 41,453 | 43,089 |
| | --- | --- | 4,268 | 7,375 | 8,686 | 11,466 | 12,090 | 14,316 | 14,525 | 14,523 | 11,362 | 12,495 |
| | 0 | 0 | 126 | 235 | 267 | 209 | 145 | 166 | 72 | 72 | 146 | 1,438 |
| No Response | --- | --- | 38,500 | 39,625 | 49,500 | 48,950 | 37,625 | 61,000 | 75,000 | 65,000 | 60,750 | 50,175 |
| | --- | --- | 33,000 | 34,375 | 41,150 | 46,900 | 28,250 | 49,900 | 51,000 | 61,250 | 47,350 | 40,650 |
| | --- | --- | 31,200 | 30,500 | 33,000 | 41,500 | 19,250 | 39,200 | 34,600 | 54,125 | 39,750 | 32,951 |
| | --- | --- | 34,200 | 35,728 | 40,979 | 45,176 | 28,375 | 50,060 | 53,533 | 60,125 | 51,070 | 42,555 |
| | --- | --- | 4,363 | 7,092 | 9,912 | 6,532 | 9,586 | 12,936 | 20,319 | 5,921 | 16,356 | 12,655 |
| | 0 | 0 | 7 | 16 | 16 | 9 | 4 | 5 | 3 | 4 | 10 | 74 |
| TOTAL | --- | 60,000 | 35,000 | 40,000 | 45,050 | 52,100 | 57,500 | 60,000 | 57,500 | 63,827 | 50,000 | 50,000 |
| | --- | 31,000 | 32,520 | 36,000 | 40,000 | 45,550 | 48,000 | 51,000 | 49,150 | 51,000 | 40,000 | 41,250 |
| | --- | 20,000 | 30,000 | 32,000 | 35,000 | 40,000 | 40,539 | 43,980 | 41,000 | 42,000 | 33,624 | 34,800 |
| | --- | 37,000 | 32,755 | 36,627 | 40,912 | 47,168 | 50,075 | 52,290 | 50,664 | 54,428 | 42,675 | 42,901 |
| | --- | 20,664 | 3,987 | 7,777 | 9,276 | 12,512 | 13,396 | 13,948 | 14,222 | 16,003 | 12,617 | 13,118 |
| | 0 | 3 | 281 | 506 | 550 | 418 | 299 | 342 | 164 | 164 | 352 | 3,079 |

TABLE-3.1.0

SALARIES of FULL-TIME EMPLOYED INDUSTRIAL CHEMISTS
by HIGHEST DEGREE and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HIGHEST DEGREE | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Bachelors | 25,370 | 26,000 | 32,000 | 39,500 | 47,350 | 52,700 | 54,400 | 58,000 | 72,750 | 60,000 | --- | 48,500 - 90th %-ile |
| | 22,675 | 24,000 | 28,800 | 34,000 | 40,000 | 42,620 | 46,000 | 48,875 | 55,000 | 43,075 | --- | 38,000 - 75th %-ile |
| | 20,750 | 21,500 | 25,450 | 29,000 | 34,856 | 36,000 | 37,000 | 40,000 | 44,500 | 40,000 | 22,688 | 29,000 - Median |
| | 18,300 | 19,000 | 22,000 | 24,825 | 28,725 | 30,000 | 31,000 | 33,000 | 36,075 | 33,950 | --- | 23,000 - 25th %-ile |
| | 16,828 | 17,000 | 19,066 | 22,000 | 25,000 | 25,000 | 27,000 | 27,000 | 27,952 | 29,950 | --- | 19,430 - 10th %-ile |
| | 20,882 | 21,543 | 25,631 | 30,095 | 34,934 | 37,143 | 40,201 | 41,542 | 47,884 | 42,623 | 22,688 | 32,019 - Mean |
| | 3,479 | 4,089 | 5,169 | 8,712 | 9,373 | 10,208 | 12,854 | 13,690 | 17,352 | 13,309 | 724 | 12,827 - Std Dev |
| | 56 | 312 | 321 | 210 | 134 | 132 | 111 | 232 | 88 | 74 | 2 | 1,672 - Count |
| Masters | --- | 29,120 | 32,750 | 42,360 | 49,500 | 52,800 | 55,000 | 63,700 | 55,000 | 72,960 | 49,140 | 50,725 |
| | --- | 26,000 | 30,000 | 36,000 | 40,000 | 43,300 | 49,000 | 49,380 | 46,793 | 55,000 | 40,000 | 41,072 |
| | --- | 24,250 | 26,200 | 30,000 | 34,500 | 36,000 | 41,808 | 41,000 | 37,440 | 43,000 | 32,000 | 33,000 |
| | --- | 21,200 | 23,000 | 26,500 | 30,000 | 30,046 | 37,810 | 35,125 | 32,000 | 37,825 | 26,000 | 27,150 |
| | --- | 19,060 | 20,000 | 22,680 | 27,000 | 25,800 | 30,320 | 30,000 | 24,000 | 31,600 | 22,000 | 23,000 |
| | --- | 23,929 | 26,493 | 31,539 | 36,745 | 38,696 | 42,943 | 43,478 | 39,861 | 47,218 | 33,941 | 35,630 |
| | --- | 3,629 | 5,182 | 7,421 | 11,521 | 12,705 | 10,610 | 12,656 | 12,394 | 14,044 | 10,049 | 12,012 |
| | 0 | 32 | 178 | 177 | 114 | 87 | 83 | 152 | 49 | 45 | 117 | 1,034 |
| Doctorate | --- | --- | 38,000 | 46,950 | 53,950 | 65,300 | 70,000 | 71,800 | 72,795 | 81,750 | 62,600 | 62,740 |
| | --- | 60,000 | 35,010 | 41,000 | 47,150 | 55,000 | 60,000 | 62,000 | 60,000 | 67,000 | 51,593 | 51,350 |
| | --- | 31,000 | 33,000 | 36,300 | 41,050 | 46,800 | 50,000 | 52,000 | 50,000 | 54,644 | 40,450 | 42,000 |
| | --- | 20,000 | 30,580 | 32,525 | 36,613 | 41,000 | 42,000 | 44,000 | 42,340 | 44,475 | 34,150 | 35,000 |
| | --- | --- | 29,000 | 29,690 | 32,020 | 35,000 | 38,000 | 37,302 | 35,784 | 38,000 | 30,970 | 31,000 |
| | --- | 37,000 | 33,085 | 37,405 | 42,269 | 49,064 | 52,026 | 53,479 | 52,393 | 56,911 | 43,961 | 44,882 |
| | --- | 20,664 | 3,673 | 7,612 | 9,117 | 12,715 | 13,402 | 13,852 | 14,971 | 16,348 | 12,969 | 13,343 |
| | 0 | 3 | 250 | 404 | 420 | 323 | 228 | 251 | 116 | 112 | 286 | 2,393 |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 58,200 | 58,200 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 44,400 | 44,400 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 38,000 | 38,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 28,000 | 28,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21,880 | 21,880 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 38,310 | 38,310 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 14,101 | 14,101 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 47 |
| TOTAL | 25,370 | 26,400 | 35,500 | 44,205 | 52,000 | 60,000 | 67,000 | 65,657 | 70,000 | 75,000 | 58,000 | 57,150 |
| | 22,675 | 24,270 | 32,425 | 38,880 | 45,000 | 50,725 | 54,195 | 55,000 | 55,000 | 60,000 | 49,000 | 46,000 |
| | 20,750 | 21,600 | 28,400 | 33,500 | 39,000 | 43,000 | 45,000 | 44,000 | 45,585 | 46,840 | 37,950 | 36,500 |
| | 18,300 | 19,200 | 24,385 | 28,500 | 33,800 | 35,775 | 38,000 | 36,000 | 37,200 | 39,000 | 32,000 | 29,000 |
| | 16,828 | 17,000 | 20,800 | 24,620 | 28,000 | 30,000 | 30,640 | 30,000 | 30,216 | 32,000 | 27,000 | 22,900 |
| | 20,882 | 21,897 | 28,324 | 34,150 | 39,355 | 44,496 | 47,129 | 46,724 | 48,397 | 50,446 | 40,686 | 38,784 |
| | 3,479 | 4,599 | 5,810 | 8,557 | 10,120 | 13,348 | 13,822 | 14,574 | 16,027 | 16,280 | 13,160 | 14,182 |
| | 56 | 347 | 749 | 791 | 668 | 542 | 422 | 635 | 253 | 231 | 452 | 5,146 |

TABLE-3.2.1

SALARIES of FULL-TIME EMPLOYED B.S.CHEMISTS IN PRIVATE INDUSTRY
by TOTAL NUMBER OF SUBORDINATES and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL SUBORDINATES | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
| 0 | 22,000 | 23,325 | 28,000 | 30,865 | 37,000 | 36,090 | 39,625 | 42,500 | 47,000 | 47,000 | --- | 30,875 | - 75th %-ile |
| | 21,000 | 21,000 | 24,500 | 26,650 | 30,150 | 32,250 | 34,350 | 35,340 | 36,300 | 38,500 | 22,176 | 24,504 | - MEDIAN |
| | 18,300 | 18,675 | 21,000 | 23,000 | 25,100 | 26,068 | 27,500 | 27,500 | 27,000 | 31,140 | --- | 20,480 | - 25th %-ile |
| | 20,770 | 21,050 | 24,175 | 26,892 | 31,296 | 31,589 | 34,092 | 35,830 | 36,921 | 38,693 | 22,176 | 26,579 | - Mean |
| | 3,400 | 3,943 | 5,011 | 5,639 | 8,637 | 8,629 | 7,510 | 9,634 | 11,361 | 9,216 | --- | 8,578 | - Std Dev |
| | 39 | 190 | 133 | 74 | 37 | 38 | 28 | 63 | 23 | 15 | 1 | 641 | - Count |
| 1-2 | 22,650 | 25,000 | 28,500 | 33,500 | 37,095 | 42,395 | 40,075 | 44,200 | 58,750 | 42,000 | --- | 37,000 | |
| | 20,500 | 22,250 | 25,000 | 30,000 | 34,700 | 36,800 | 35,000 | 40,000 | 46,250 | 39,000 | 23,200 | 29,400 | |
| | 18,600 | 19,975 | 22,000 | 25,256 | 29,000 | 30,750 | 29,750 | 33,300 | 40,000 | 34,000 | --- | 24,000 | |
| | 21,158 | 22,522 | 25,470 | 30,322 | 33,174 | 37,132 | 35,399 | 39,968 | 49,257 | 39,494 | 23,200 | 31,132 | |
| | 3,153 | 4,086 | 4,619 | 6,415 | 6,456 | 7,962 | 6,710 | 10,237 | 12,095 | 7,414 | --- | 10,024 | |
| | 12 | 74 | 91 | 49 | 40 | 26 | 26 | 61 | 16 | 17 | 1 | 413 | |
| 3-7 | 27,600 | 24,000 | 29,750 | 35,000 | 40,000 | 43,248 | 45,500 | 45,750 | 54,250 | 48,420 | --- | 39,000 | |
| | 20,700 | 21,000 | 27,000 | 29,120 | 34,560 | 35,000 | 36,300 | 37,500 | 41,380 | 40,000 | --- | 31,100 | |
| | 15,750 | 19,200 | 24,000 | 24,000 | 30,000 | 30,000 | 29,500 | 30,500 | 33,500 | 31,000 | --- | 25,000 | |
| | 21,350 | 21,614 | 27,070 | 30,248 | 36,329 | 35,934 | 40,038 | 40,949 | 43,891 | 40,341 | --- | 33,414 | |
| | 6,172 | 4,576 | 5,255 | 8,787 | 8,985 | 8,186 | 13,992 | 15,706 | 13,082 | 15,817 | --- | 12,395 | |
| | 4 | 39 | 65 | 55 | 27 | 35 | 21 | 52 | 24 | 21 | 0 | 343 | |
| 8-12 | --- | 28,320 | 32,500 | 34,000 | 42,532 | 45,000 | 48,250 | 52,350 | 74,625 | 50,000 | --- | 47,000 | |
| | 20,052 | 22,000 | 29,040 | 28,100 | 36,200 | 39,000 | 42,500 | 43,450 | 54,410 | 48,000 | --- | 36,250 | |
| | --- | 21,400 | 25,500 | 27,250 | 32,425 | 33,675 | 36,750 | 35,056 | 44,625 | 37,000 | --- | 29,385 | |
| | 20,052 | 24,288 | 29,264 | 30,315 | 37,287 | 40,465 | 41,959 | 44,431 | 59,790 | 44,043 | --- | 38,448 | |
| | --- | 3,886 | 5,246 | 4,863 | 6,812 | 11,117 | 7,403 | 13,539 | 20,367 | 7,489 | --- | 13,064 | |
| | 1 | 5 | 19 | 13 | 10 | 13 | 14 | 16 | 8 | 7 | 0 | 106 | |
| 13-17 | --- | --- | 33,000 | 38,650 | 46,710 | 45,250 | 48,900 | 52,900 | --- | 74,400 | --- | 49,568 | |
| | --- | 17,000 | 30,000 | 32,000 | 41,500 | 42,500 | 43,000 | 49,312 | 55,000 | 55,000 | --- | 43,000 | |
| | --- | --- | 26,000 | 29,250 | 28,525 | 40,500 | 38,500 | 46,400 | --- | 43,500 | --- | 33,750 | |
| | --- | 17,000 | 28,986 | 33,300 | 38,890 | 42,750 | 43,343 | 51,185 | 55,000 | 56,635 | --- | 43,113 | |
| | --- | --- | 4,228 | 5,082 | 9,642 | 2,500 | 6,314 | 11,839 | 16,971 | 17,009 | --- | 12,963 | |
| | 0 | 1 | 7 | 4 | 6 | 4 | 7 | 16 | 2 | 3 | 0 | 50 | |
| 18-22 | --- | --- | 27,750 | 49,000 | 35,000 | 55,250 | 70,000 | 64,875 | --- | 92,500 | --- | 52,000 | |
| | --- | 30,000 | 27,000 | 39,000 | 33,000 | 47,500 | 59,000 | 47,000 | 28,000 | 58,950 | --- | 37,236 | |
| | --- | --- | 24,525 | 29,500 | 28,000 | 36,000 | 36,920 | 37,750 | --- | 39,902 | --- | 29,000 | |
| | --- | 30,000 | 26,425 | 39,200 | 32,000 | 46,250 | 55,307 | 49,875 | 28,000 | 63,784 | --- | 43,492 | |
| | --- | --- | 1,877 | 9,935 | 5,606 | 10,112 | 16,846 | 14,459 | --- | 27,735 | --- | 17,500 | |
| | 0 | 1 | 4 | 5 | 3 | 4 | 3 | 4 | 1 | 4 | 0 | 29 | |
| 23-32 | --- | --- | --- | 77,000 | 49,750 | 57,500 | 82,000 | 57,750 | 80,000 | --- | --- | 55,250 | |
| | --- | 22,000 | 35,250 | 36,500 | 42,000 | 55,000 | 57,428 | 46,120 | 49,309 | 38,000 | --- | 43,548 | |
| | --- | --- | --- | 34,250 | 38,400 | 42,000 | 39,339 | 34,625 | 39,155 | --- | --- | 36,000 | |
| | --- | 22,000 | 35,250 | 49,250 | 46,133 | 50,800 | 59,589 | 45,957 | 56,155 | 38,000 | --- | 46,932 | |
| | --- | 2,828 | 3,182 | 27,220 | 15,806 | 9,205 | 22,442 | 17,090 | 25,426 | 9,899 | --- | 18,088 | |
| | 0 | 2 | 2 | 4 | 9 | 5 | 4 | 6 | 4 | 2 | 0 | 38 | |
| 33-47 | --- | --- | --- | 57,000 | --- | --- | 70,000 | 60,810 | 86,250 | --- | --- | 61,215 | |
| | --- | --- | --- | 44,000 | 49,000 | 33,400 | 50,000 | 52,000 | 75,000 | 42,800 | --- | 50,000 | |
| | --- | --- | --- | 30,000 | --- | --- | 35,000 | 35,000 | 56,250 | --- | --- | 38,500 | |
| | --- | --- | --- | 43,667 | 49,000 | 33,400 | 51,667 | 48,724 | 72,500 | 42,800 | --- | 51,361 | |
| | --- | --- | --- | 13,503 | 1,414 | 6,305 | 17,559 | 13,517 | 16,583 | --- | --- | 16,719 | |
| | 0 | 0 | 0 | 3 | 2 | 2 | 3 | 5 | 4 | 1 | 0 | 20 | |
| 48-67 | --- | --- | --- | --- | --- | --- | --- | 64,200 | --- | --- | --- | 57,900 | |
| | --- | --- | --- | 31,200 | --- | 55,000 | --- | 49,150 | 51,200 | 50,000 | --- | 51,200 | |
| | --- | --- | --- | --- | --- | --- | --- | 38,375 | --- | --- | --- | 38,500 | |
| | --- | --- | --- | 31,200 | --- | 55,000 | --- | 50,575 | 51,200 | 50,000 | --- | 48,856 | |
| | --- | --- | --- | --- | --- | --- | --- | 13,498 | --- | 14,142 | --- | 11,811 | |
| | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 1 | 2 | 0 | 9 | |
| 68-99 | --- | --- | --- | --- | --- | --- | 55,000 | --- | --- | --- | --- | 55,000 | |
| | --- | --- | --- | 42,000 | --- | --- | 55,000 | 85,000 | 53,000 | 39,000 | --- | 53,000 | |
| | --- | --- | --- | --- | --- | --- | 42,000 | --- | --- | --- | --- | 42,000 | |
| | --- | --- | --- | 42,000 | --- | --- | 50,667 | 85,000 | 53,000 | 39,000 | --- | 53,000 | |
| | --- | --- | --- | --- | --- | --- | 7,506 | --- | --- | --- | --- | 15,652 | |
| | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 7 | |
| >=100 | --- | --- | --- | --- | --- | 66,875 | --- | 75,750 | 93,000 | --- | --- | 75,750 | |
| | --- | --- | --- | 56,000 | --- | 54,750 | 72,250 | 73,000 | 74,000 | 64,000 | --- | 65,500 | |
| | --- | --- | --- | --- | --- | 44,500 | --- | 68,000 | 52,000 | --- | --- | 53,000 | |
| | --- | --- | --- | 56,000 | --- | 55,375 | 72,250 | 72,250 | 73,000 | 64,000 | --- | 66,688 | |
| | --- | --- | --- | --- | --- | 11,672 | 33,588 | 4,113 | 22,241 | --- | --- | 16,432 | |
| | 0 | 0 | 0 | 1 | 0 | 4 | 2 | 4 | 4 | 1 | 0 | 16 | |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL | 22,675 | 24,000 | 28,800 | 34,000 | 40,000 | 42,620 | 46,000 | 48,875 | 55,000 | 48,075 | --- | 38,000 | |
| | 20,750 | 21,500 | 25,450 | 29,000 | 34,856 | 36,000 | 37,000 | 40,000 | 44,500 | 40,000 | 22,688 | 29,000 | |
| | 18,300 | 19,000 | 22,000 | 24,825 | 28,725 | 30,000 | 31,000 | 33,000 | 36,075 | 33,950 | --- | 23,000 | |
| | 20,682 | 21,543 | 25,631 | 30,095 | 34,934 | 37,143 | 40,201 | 41,542 | 47,884 | 42,623 | 22,688 | 32,019 | |
| | 3,479 | 4,089 | 5,169 | 8,712 | 9,373 | 10,208 | 12,854 | 13,690 | 17,332 | 13,309 | 724 | 12,827 | |
| | 56 | 312 | 321 | 210 | 134 | 132 | 111 | 232 | 88 | 74 | 2 | 1,672 | |

TABLE-3.2.2

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN PRIVATE INDUSTRY
by TOTAL NUMBER OF SUBORDINATES and YEARS SINCE BS
1982 Survey of ACS Members

| TOTAL SUBORDINATES | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
| 0 | --- | 25,000 | 28,112 | 31,458 | 37,500 | 40,375 | 40,650 | 42,500 | 36,000 | 46,800 | 33,250 | 35,575 | - 75th %-ile |
| | --- | 24,000 | 24,500 | 27,550 | 32,000 | 33,300 | 40,000 | 36,000 | 30,180 | 41,040 | 28,100 | 29,364 | - Median |
| | --- | 21,000 | 21,550 | 24,125 | 28,650 | 29,200 | 33,000 | 30,800 | 25,625 | 32,000 | 22,375 | 24,150 | - 25th %-ile |
| | --- | 22,907 | 25,016 | 28,650 | 34,771 | 34,205 | 36,180 | 38,176 | 31,768 | 41,089 | 29,543 | 30,765 | - Mean |
| | --- | 3,015 | 4,996 | 7,022 | 9,313 | 8,738 | 7,022 | 10,443 | 8,667 | 9,130 | 8,550 | 9,214 | - Std Dev |
| | 1 | 19 | 85 | 72 | 37 | 26 | 17 | 41 | 12 | 19 | 42 | 370 | - Count |
| 1-2 | --- | 28,500 | 30,000 | 34,000 | 40,000 | 40,625 | 48,100 | 43,025 | 48,625 | 55,000 | 35,350 | 40,000 | |
| | --- | 25,500 | 26,250 | 29,800 | 35,000 | 34,000 | 41,004 | 37,560 | 40,100 | 43,000 | 32,760 | 32,880 | |
| | --- | 23,375 | 24,000 | 26,440 | 29,000 | 29,650 | 37,588 | 34,000 | 33,360 | 37,500 | 28,000 | 27,500 | |
| | --- | 25,790 | 26,559 | 30,651 | 35,194 | 34,699 | 41,497 | 38,029 | 40,283 | 45,778 | 33,655 | 34,010 | |
| | --- | 3,967 | 4,506 | 5,582 | 8,392 | 7,401 | 6,960 | 7,845 | 8,795 | 8,423 | 8,785 | 8,674 | |
| | 0 | 10 | 46 | 41 | 35 | 22 | 26 | 40 | 12 | 9 | 35 | 276 | |
| 3-7 | --- | --- | 32,000 | 37,000 | 38,000 | 43,293 | 48,900 | 48,500 | 48,000 | 44,000 | 49,275 | 42,500 | |
| | --- | 26,500 | 29,580 | 33,000 | 32,000 | 36,000 | 44,000 | 42,000 | 37,200 | 43,000 | 38,000 | 35,500 | |
| | --- | --- | 24,700 | 30,000 | 31,000 | 32,000 | 35,500 | 37,840 | 34,000 | 38,000 | 31,250 | 30,000 | |
| | --- | 26,300 | 28,387 | 33,446 | 33,822 | 38,804 | 42,814 | 43,690 | 39,600 | 42,957 | 39,100 | 37,001 | |
| | --- | 4,667 | 4,622 | 5,810 | 5,575 | 12,093 | 9,412 | 9,130 | 10,111 | 9,660 | 10,494 | 9,805 | |
| | 0 | 2 | 54 | 39 | 19 | 20 | 17 | 37 | 15 | 7 | 24 | 214 | |
| 8-12 | --- | --- | 32,025 | 36,300 | 46,000 | 56,000 | 63,750 | 55,000 | 46,500 | --- | 44,200 | 46,000 | |
| | --- | 20,000 | 27,000 | 32,700 | 32,500 | 52,000 | 42,500 | 42,100 | 40,000 | 58,000 | 34,680 | 36,200 | |
| | --- | --- | 25,400 | 28,500 | 28,500 | 34,500 | 28,600 | 37,500 | 34,300 | --- | 29,250 | 30,000 | |
| | --- | 20,000 | 28,138 | 32,915 | 38,009 | 47,500 | 47,133 | 47,427 | 40,320 | 58,000 | 36,316 | 39,545 | |
| | --- | --- | 3,610 | 4,544 | 12,773 | 11,435 | 23,939 | 11,045 | 6,198 | 31,113 | 8,878 | 15,905 | |
| | 0 | 1 | 8 | 8 | 11 | 5 | 6 | 11 | 5 | 2 | 5 | 60 | |
| 13-17 | --- | --- | --- | --- | 40,250 | 51,659 | 50,000 | 72,500 | --- | 74,400 | 44,500 | 62,500 | |
| | --- | --- | 37,750 | 40,200 | 36,700 | 43,300 | 46,000 | 68,000 | 60,500 | 62,000 | 39,000 | 43,500 | |
| | --- | --- | --- | --- | 33,375 | 31,500 | 41,808 | 48,500 | --- | 60,000 | 26,000 | 35,850 | |
| | --- | --- | 37,750 | 40,200 | 36,775 | 41,135 | 45,936 | 62,000 | 60,500 | 65,467 | 36,500 | 47,361 | |
| | --- | --- | 11,667 | --- | 3,552 | 19,968 | 4,096 | 16,598 | 34,648 | 7,801 | 9,983 | 17,340 | |
| | 0 | 0 | 2 | 1 | 4 | 6 | 3 | 5 | 2 | 3 | 4 | 30 | |
| 18-22 | --- | --- | --- | 35,000 | --- | --- | 57,750 | --- | --- | --- | --- | 43,200 | |
| | --- | --- | 36,000 | 31,500 | 44,000 | 48,200 | 49,500 | 44,000 | --- | --- | 48,900 | 40,000 | |
| | --- | --- | --- | 30,250 | --- | --- | 42,000 | --- | --- | --- | --- | 32,000 | |
| | --- | --- | 36,000 | 32,250 | 44,000 | 48,200 | 49,750 | 44,000 | --- | --- | 48,900 | 42,267 | |
| | --- | --- | 5,657 | 2,630 | --- | --- | 8,261 | --- | --- | --- | 17,112 | 9,941 | |
| | 0 | 0 | 2 | 4 | 1 | 1 | 4 | 1 | 0 | 0 | 2 | 15 | |
| 23-32 | --- | --- | --- | 55,000 | --- | 60,000 | --- | 61,000 | --- | --- | --- | 60,000 | |
| | --- | --- | --- | 50,000 | --- | 43,290 | 58,830 | 58,200 | --- | 62,500 | 43,775 | 48,660 | |
| | --- | --- | --- | 30,000 | --- | 40,000 | --- | 48,000 | --- | --- | --- | 43,290 | |
| | --- | --- | --- | 45,000 | --- | 47,763 | 58,830 | 55,755 | --- | 62,500 | 43,775 | 51,713 | |
| | --- | --- | --- | 13,229 | --- | 10,724 | 14,383 | 6,842 | --- | 24,749 | 5,975 | 12,590 | |
| | 0 | 0 | 0 | 5 | 0 | 3 | 2 | 5 | 0 | 2 | 2 | 15 | |
| 33-47 | --- | --- | --- | 50,000 | --- | --- | 53,750 | 63,000 | --- | --- | --- | 60,750 | |
| | --- | --- | --- | 44,800 | 43,250 | 58,500 | 50,000 | 58,300 | 53,500 | 72,000 | 42,000 | 50,000 | |
| | --- | --- | --- | 25,800 | --- | --- | 42,500 | 47,000 | --- | --- | --- | 42,750 | |
| | --- | --- | --- | 40,200 | 43,250 | 58,500 | 48,750 | 55,043 | 53,500 | 72,000 | 42,000 | 51,155 | |
| | --- | --- | --- | 12,739 | 16,617 | 9,192 | 6,292 | 8,601 | 16,263 | --- | --- | 11,471 | |
| | 0 | 0 | 0 | 3 | 2 | 2 | 4 | 7 | 2 | 1 | 1 | 22 | |
| 48-67 | --- | --- | --- | 48,680 | --- | --- | --- | --- | --- | --- | --- | 65,000 | |
| | --- | --- | --- | 45,000 | 42,250 | 42,000 | 43,400 | 67,000 | 65,000 | 65,000 | --- | 45,500 | |
| | --- | --- | --- | 40,500 | --- | --- | --- | --- | --- | --- | --- | 42,063 | |
| | --- | --- | --- | 44,672 | 42,250 | 42,000 | 43,400 | 67,000 | 65,000 | 65,000 | --- | 51,251 | |
| | --- | --- | --- | 4,634 | --- | --- | --- | 1,414 | --- | --- | --- | 11,308 | |
| | 0 | 0 | 0 | 5 | 1 | 1 | 1 | 2 | 1 | 1 | 0 | 12 | |
| 68-99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 72,500 | |
| | --- | --- | 30,000 | --- | 56,500 | 78,500 | 64,272 | 61,500 | --- | --- | 43,000 | 57,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 48,000 | |
| | --- | --- | 30,000 | --- | 56,500 | 73,500 | 64,272 | 61,500 | --- | --- | 43,000 | 58,919 | |
| | --- | --- | --- | --- | 707 | 4,950 | --- | 12,021 | --- | --- | --- | 16,123 | |
| | 0 | 0 | 1 | 0 | 2 | 2 | 1 | 2 | 0 | 0 | 1 | 9 | |
| >=100 | --- | --- | --- | --- | --- | --- | --- | 100,000 | --- | --- | --- | 77,000 | |
| | --- | --- | --- | 47,000 | 88,500 | 41,000 | 51,250 | 70,500 | --- | 75,000 | 16,000 | 52,000 | |
| | --- | --- | --- | --- | --- | --- | --- | 50,000 | --- | --- | --- | 47,000 | |
| | --- | --- | --- | 47,000 | 88,500 | 41,000 | 51,250 | 73,500 | --- | 75,000 | 16,000 | 61,727 | |
| | --- | --- | --- | --- | 16,263 | --- | 1,061 | 25,135 | --- | --- | --- | 25,518 | |
| | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 3 | 0 | 1 | 1 | 11 | |
| TOTAL | --- | 26,000 | 30,000 | 36,000 | 40,000 | 43,000 | 49,000 | 49,380 | 46,793 | 55,000 | 40,000 | 41,072 | |
| | --- | 24,250 | 26,200 | 30,000 | 34,500 | 36,000 | 41,808 | 41,000 | 37,440 | 43,000 | 32,000 | 33,000 | |
| | --- | 21,200 | 23,000 | 26,500 | 30,000 | 30,046 | 37,810 | 35,125 | 32,000 | 37,825 | 26,000 | 27,150 | |
| | --- | 23,929 | 26,493 | 31,539 | 36,745 | 38,696 | 42,943 | 43,478 | 39,361 | 47,218 | 33,941 | 35,630 | |
| | --- | 3,629 | 5,182 | 7,421 | 11,521 | 12,705 | 10,610 | 12,636 | 12,394 | 14,044 | 10,049 | 12,012 | |
| | 0 | 32 | 178 | 177 | 114 | 87 | 83 | 152 | 49 | 45 | 117 | 1,034 | |

TABLE-3.2.3

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY
by TOTAL NUMBER OF SUBORDINATES and YEARS SINCE BS
1982 Survey of ACS Members

| TOTAL SUBORDINATES | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| 0 | --- | --- | 34,650 | 36,324 | 44,000 | 48,600 | 50,000 | 53,000 | 59,000 | 58,500 | 44,250 | 45,700 - 75th %-ile |
| | --- | --- | 32,000 | 35,500 | 37,750 | 40,000 | 44,625 | 48,000 | 50,068 | 45,000 | 36,000 | 37,470 - Median |
| | --- | --- | 29,450 | 30,000 | 33,700 | 35,825 | 39,750 | 40,000 | 44,000 | 40,375 | 32,375 | 32,500 - 25th %-ile |
| | --- | --- | 31,896 | 35,590 | 38,368 | 43,702 | 45,343 | 47,644 | 50,418 | 49,736 | 39,150 | 40,080 - Mean |
| | --- | --- | 3,374 | 7,922 | 8,499 | 12,551 | 9,009 | 10,501 | 13,850 | 14,268 | 10,750 | 11,362 - Std Dev |
| | 0 | 0 | 69 | 74 | 78 | 49 | 42 | 47 | 24 | 25 | 70 | 478 - Count |
| 1-2 | --- | --- | 35,130 | 39,350 | 43,000 | 48,000 | 53,000 | 56,875 | 50,865 | 57,500 | 44,050 | 45,000 |
| | --- | 20,000 | 33,000 | 36,000 | 39,200 | 44,750 | 45,500 | 49,500 | 44,820 | 48,000 | 36,000 | 38,000 |
| | --- | --- | 31,000 | 32,238 | 35,000 | 40,000 | 39,750 | 43,940 | 38,500 | 41,100 | 32,780 | 33,300 |
| | --- | 20,000 | 33,165 | 36,010 | 39,386 | 44,839 | 46,922 | 49,579 | 45,999 | 51,573 | 39,068 | 40,232 |
| | --- | --- | 3,280 | 5,382 | 7,520 | 8,294 | 9,526 | 11,132 | 10,842 | 15,096 | 8,862 | 9,692 |
| | 0 | 1 | 146 | 185 | 144 | 90 | 63 | 72 | 40 | 29 | 97 | 867 |
| 3-7 | --- | --- | 40,000 | 40,000 | 47,500 | 53,850 | 52,000 | 55,725 | 56,400 | 68,800 | 49,700 | 50,000 |
| | --- | 31,000 | 34,900 | 36,000 | 41,000 | 48,500 | 48,750 | 48,000 | 50,000 | 57,000 | 42,800 | 42,000 |
| | --- | --- | 30,715 | 33,250 | 38,000 | 41,125 | 42,525 | 40,000 | 44,000 | 39,800 | 36,000 | 36,725 |
| | --- | 31,000 | 34,985 | 37,276 | 42,290 | 49,421 | 49,229 | 48,132 | 52,706 | 55,185 | 43,232 | 44,457 |
| | --- | --- | 5,010 | 5,917 | 7,489 | 12,422 | 10,128 | 12,293 | 17,144 | 15,947 | 8,789 | 11,557 |
| | 0 | 1 | 30 | 77 | 91 | 77 | 48 | 48 | 17 | 17 | 51 | 457 |
| 8-12 | --- | --- | --- | 49,000 | 49,900 | 54,000 | 55,000 | 60,500 | 51,750 | 75,492 | 58,000 | 54,000 |
| | --- | --- | 38,000 | 42,000 | 45,000 | 48,984 | 50,000 | 55,000 | 50,500 | 60,000 | 49,800 | 48,000 |
| | --- | --- | --- | 37,295 | 41,350 | 43,000 | 43,000 | 50,185 | 48,500 | 54,000 | 41,000 | 42,000 |
| | --- | --- | 38,000 | 42,703 | 46,357 | 48,240 | 49,842 | 54,770 | 50,250 | 62,876 | 49,261 | 48,807 |
| | --- | --- | --- | 7,410 | 6,176 | 9,047 | 7,508 | 6,661 | 1,708 | 13,893 | 11,796 | 9,793 |
| | 0 | 0 | 1 | 29 | 45 | 39 | 19 | 17 | 4 | 13 | 23 | 190 |
| 13-17 | --- | --- | --- | 48,500 | 51,475 | 59,000 | 69,000 | 62,250 | 73,250 | 78,875 | 67,500 | 58,000 |
| | --- | --- | 33,000 | 45,000 | 48,250 | 52,000 | 58,000 | 55,000 | 52,000 | 55,500 | 55,000 | 52,000 |
| | --- | --- | --- | 40,000 | 42,375 | 45,660 | 57,000 | 50,484 | 46,800 | 54,250 | 52,500 | 45,000 |
| | --- | --- | 33,000 | 45,275 | 48,061 | 52,295 | 65,643 | 55,268 | 59,367 | 62,875 | 58,344 | 52,704 |
| | --- | --- | 1,414 | 8,460 | 7,515 | 8,124 | 13,948 | 9,776 | 19,041 | 15,771 | 9,431 | 11,906 |
| | 0 | 0 | 2 | 13 | 22 | 17 | 7 | 9 | 6 | 4 | 9 | 89 |
| 18-22 | --- | --- | --- | 48,625 | 51,500 | 52,000 | 75,000 | 63,500 | 49,000 | 67,950 | 69,750 | 55,750 |
| | --- | --- | 34,000 | 44,850 | 47,000 | 50,000 | 68,000 | 54,000 | 45,000 | 56,000 | 52,500 | 50,000 |
| | --- | --- | --- | 37,800 | 44,280 | 45,000 | 60,000 | 49,500 | 42,060 | 53,144 | 37,250 | 45,000 |
| | --- | --- | 34,000 | 44,200 | 48,005 | 49,241 | 66,714 | 55,678 | 45,424 | 59,638 | 54,375 | 52,136 |
| | --- | --- | --- | 7,190 | 4,135 | 8,831 | 11,456 | 8,756 | 3,549 | 8,506 | 17,146 | 11,591 |
| | 0 | 0 | 1 | 10 | 8 | 11 | 7 | 9 | 5 | 5 | 8 | 64 |
| 23-32 | --- | --- | --- | 56,000 | 54,200 | 68,000 | 66,750 | 73,500 | 90,000 | 72,250 | 70,000 | 63,550 |
| | --- | --- | 41,000 | 43,000 | 50,000 | 61,250 | 59,850 | 56,000 | 49,300 | 62,000 | 57,000 | 55,000 |
| | --- | --- | --- | 45,000 | 43,000 | 55,000 | 52,000 | 47,212 | 40,000 | 57,300 | 45,800 | 47,000 |
| | --- | --- | 41,000 | 49,000 | 48,377 | 60,401 | 59,740 | 60,814 | 59,767 | 63,850 | 54,858 | 56,063 |
| | --- | --- | --- | 8,112 | 8,198 | 11,108 | 9,839 | 14,776 | 26,593 | 8,055 | 16,386 | 13,193 |
| | 0 | 0 | 1 | 11 | 13 | 12 | 10 | 16 | 3 | 4 | 12 | 82 |
| 33-47 | --- | --- | --- | 67,000 | 60,000 | 78,375 | 76,000 | 71,150 | 77,000 | --- | 69,000 | 69,250 |
| | --- | --- | --- | 56,000 | 54,500 | 56,590 | 63,000 | 63,000 | 69,250 | 65,000 | 65,700 | 63,000 |
| | --- | --- | --- | 42,000 | 45,750 | 44,000 | 60,000 | 61,600 | 52,750 | --- | 59,500 | 55,500 |
| | --- | --- | --- | 55,000 | 53,500 | 61,540 | 66,338 | 67,722 | 66,583 | 65,000 | 64,540 | 62,811 |
| | --- | --- | --- | 12,530 | 9,304 | 21,107 | 8,566 | 10,013 | 11,672 | 2,828 | 5,797 | 12,495 |
| | 0 | 0 | 0 | 3 | 8 | 8 | 8 | 9 | 6 | 2 | 5 | 49 |
| 48-67 | --- | --- | --- | --- | 59,500 | 63,000 | 74,500 | 78,000 | 66,450 | --- | 75,750 | 72,000 |
| | --- | 60,000 | --- | --- | 49,725 | 59,250 | 69,750 | 67,250 | 59,000 | 98,000 | 67,000 | 63,750 |
| | --- | --- | --- | --- | 40,365 | 50,750 | 63,000 | 62,250 | 52,000 | --- | 57,000 | 59,625 |
| | --- | 60,000 | --- | --- | 49,863 | 57,917 | 70,083 | 69,813 | 59,150 | 98,000 | 65,833 | 65,144 |
| | --- | --- | --- | --- | 10,599 | 9,222 | 8,333 | 9,532 | 7,639 | --- | 10,907 | 11,995 |
| | 0 | 1 | 0 | 0 | 4 | 6 | 12 | 8 | 4 | 1 | 6 | 42 |
| 68-99 | --- | --- | --- | --- | --- | 75,000 | 65,000 | 84,000 | --- | 70,000 | --- | 77,700 |
| | --- | --- | --- | --- | 68,800 | 65,000 | 60,000 | 74,000 | 80,000 | 69,000 | 76,000 | 70,000 |
| | --- | --- | --- | --- | --- | 46,750 | 60,000 | 69,000 | --- | 59,000 | --- | 60,000 |
| | --- | --- | --- | --- | 68,800 | 62,167 | 61,667 | 76,000 | 80,000 | 66,000 | 76,000 | 68,436 |
| | --- | --- | --- | --- | 12,445 | 16,857 | 2,887 | 8,944 | --- | 6,083 | 8,485 | 11,920 |
| | 0 | 0 | 0 | 0 | 2 | 6 | 3 | 5 | 1 | 3 | 2 | 22 |
| >=100 | --- | --- | --- | --- | 81,500 | 91,500 | 92,500 | 88,000 | 81,250 | 94,250 | 85,000 | 85,000 |
| | --- | --- | --- | 60,000 | 66,000 | 78,500 | 64,000 | 77,000 | 73,425 | 65,000 | 82,000 | 74,400 |
| | --- | --- | --- | --- | 45,000 | 61,250 | 56,150 | 66,000 | 70,000 | 60,500 | 50,000 | 61,000 |
| | --- | --- | --- | 60,000 | 63,800 | 76,125 | 67,867 | 77,582 | 75,308 | 72,045 | 72,333 | 72,254 |
| | --- | --- | --- | 0 | 20,327 | 16,822 | 28,266 | 14,000 | 6,072 | 21,142 | 19,399 | 18,511 |
| | 0 | 0 | 0 | 2 | 5 | 8 | 9 | 11 | 6 | 9 | 3 | 53 |
| TOTAL | --- | 60,000 | 35,010 | 41,000 | 47,150 | 55,000 | 60,000 | 62,000 | 60,000 | 67,000 | 51,593 | 51,350 |
| | --- | 31,000 | 33,000 | 36,300 | 41,050 | 46,800 | 50,000 | 52,000 | 50,000 | 54,644 | 40,450 | 42,000 |
| | --- | 20,000 | 30,580 | 32,525 | 36,613 | 41,000 | 42,000 | 44,000 | 42,340 | 44,475 | 34,150 | 35,000 |
| | --- | 37,000 | 33,085 | 37,403 | 42,269 | 49,064 | 52,026 | 53,479 | 52,393 | 56,911 | 43,961 | 44,882 |
| | --- | 20,664 | 3,673 | 7,612 | 9,117 | 12,715 | 15,402 | 13,852 | 14,971 | 16,348 | 12,968 | 13,343 |
| | 0 | 3 | 250 | 404 | 420 | 323 | 228 | 251 | 116 | 112 | 286 | 2,393 |

TABLE-3.3.1

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY
by SUBORDINATES (PROFESSIONALS + TECHNICIANS) and YEARS SINCE BS
1982 Survey of ACS Members

| SUBORDINATES (Profs + Techs) | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| 0 | 22,000 | 23,520 | 28,000 | 31,400 | 37,000 | 36,840 | 40,000 | 43,000 | 49,475 | 47,000 | --- | 32,000 - 75th %-ile |
| | 20,500 | 21,000 | 24,650 | 27,000 | 32,000 | 33,250 | 35,050 | 36,500 | 41,500 | 38,500 | 22,176 | 25,000 - Median |
| | 18,300 | 18,775 | 21,000 | 23,000 | 26,100 | 26,943 | 28,500 | 28,840 | 30,030 | 31,140 | --- | 21,000 - 25th %-ile |
| | 20,758 | 21,192 | 24,366 | 27,258 | 31,777 | 31,998 | 34,636 | 36,541 | 42,649 | 38,436 | 22,176 | 27,333 - Mean |
| | 3,334 | 3,982 | 4,978 | 5,709 | 8,508 | 8,563 | 7,713 | 9,750 | 17,949 | 9,027 | --- | 9,554 - Std Dev |
| | 43 | 193 | 141 | 79 | 41 | 44 | 30 | 74 | 28 | 19 | 1 | 698 - Count |
| 1-2 | 22,300 | 25,000 | 28,150 | 31,980 | 37,095 | 41,680 | 40,000 | 43,875 | 52,952 | 45,630 | --- | 37,000 |
| | 21,000 | 22,100 | 25,000 | 29,000 | 34,100 | 36,000 | 35,300 | 37,800 | 40,500 | 39,500 | 23,200 | 29,000 |
| | 19,050 | 19,975 | 22,250 | 24,600 | 28,625 | 29,800 | 30,000 | 32,925 | 37,100 | 34,250 | --- | 24,000 |
| | 21,267 | 22,411 | 25,514 | 29,662 | 32,907 | 36,458 | 35,570 | 40,456 | 44,271 | 40,112 | 23,200 | 31,016 |
| | 3,196 | 4,053 | 4,767 | 6,599 | 6,502 | 8,414 | 6,515 | 12,796 | 10,715 | 7,512 | --- | 10,193 |
| | 9 | 74 | 93 | 51 | 40 | 25 | 28 | 60 | 17 | 20 | 1 | 418 |
| 3-7 | 27,600 | 23,500 | 30,000 | 35,000 | 41,500 | 45,355 | 49,725 | 49,500 | 53,500 | 44,500 | --- | 40,000 |
| | 20,700 | 21,000 | 27,000 | 30,000 | 36,000 | 37,000 | 39,250 | 38,000 | 41,800 | 40,000 | --- | 32,000 |
| | 15,750 | 18,502 | 24,375 | 25,000 | 30,250 | 31,900 | 29,928 | 32,508 | 35,000 | 32,000 | --- | 26,000 |
| | 21,350 | 21,202 | 27,065 | 31,085 | 37,099 | 37,070 | 42,125 | 41,027 | 44,935 | 40,381 | --- | 34,179 |
| | 6,172 | 4,337 | 5,172 | 9,027 | 8,963 | 8,355 | 14,800 | 14,208 | 12,419 | 13,539 | --- | 12,300 |
| | 4 | 33 | 62 | 53 | 32 | 36 | 24 | 49 | 22 | 20 | 0 | 335 |
| 8-12 | --- | 29,160 | 35,375 | 36,375 | 44,864 | 57,000 | 50,500 | 51,900 | 75,000 | 51,500 | --- | 49,500 |
| | --- | 24,320 | 30,520 | 29,550 | 35,200 | 47,000 | 45,000 | 48,000 | 55,000 | 48,150 | --- | 39,000 |
| | --- | 21,850 | 25,275 | 27,000 | 30,950 | 37,850 | 38,510 | 35,563 | 49,500 | 38,000 | --- | 32,000 |
| | --- | 25,110 | 30,474 | 34,793 | 37,385 | 47,669 | 44,348 | 44,945 | 58,974 | 45,413 | --- | 41,426 |
| | --- | 3,953 | 5,704 | 16,605 | 7,599 | 12,094 | 7,231 | 13,172 | 13,792 | 7,942 | --- | 13,509 |
| | 0 | 4 | 14 | 14 | 9 | 13 | 13 | 21 | 7 | 8 | 0 | 105 |
| 13-17 | --- | --- | 33,000 | 40,200 | --- | 49,000 | 56,500 | 67,375 | --- | --- | --- | 57,000 |
| | --- | 17,000 | 30,000 | 30,000 | 46,520 | 44,500 | 45,000 | 55,500 | 53,000 | 74,400 | --- | 45,000 |
| | --- | --- | 26,000 | 29,000 | --- | 42,250 | 35,750 | 48,800 | --- | --- | --- | 35,000 |
| | --- | 17,000 | 28,986 | 33,067 | 46,520 | 45,250 | 45,500 | 58,929 | 53,000 | 74,400 | --- | 46,498 |
| | --- | --- | 4,228 | 6,198 | 4,978 | 3,594 | 14,300 | 13,105 | 10,971 | --- | --- | 16,180 |
| | 0 | 1 | 7 | 3 | 2 | 4 | 5 | 14 | 2 | 1 | 0 | 39 |
| 18-22 | --- | --- | 28,000 | 48,000 | 72,625 | 57,000 | 70,000 | --- | 48,618 | 100,000 | --- | 50,714 |
| | --- | 25,000 | 27,000 | 39,000 | 38,250 | 45,000 | 59,000 | 33,500 | 36,000 | 70,000 | --- | 36,960 |
| | --- | --- | 23,700 | 32,000 | 33,500 | 33,000 | 36,920 | --- | 28,000 | 37,236 | --- | 30,000 |
| | --- | 25,000 | 26,233 | 39,667 | 43,125 | 45,000 | 55,507 | 33,500 | 37,539 | 69,079 | --- | 43,384 |
| | --- | 7,071 | 2,250 | 8,021 | 23,531 | 12,000 | 16,846 | 4,950 | 10,395 | 31,392 | --- | 19,508 |
| | 0 | 2 | 3 | 3 | 4 | 3 | 5 | 2 | 3 | 3 | 0 | 26 |
| 23-32 | --- | --- | --- | 38,000 | 48,875 | 58,625 | 86,000 | 52,500 | 90,000 | --- | --- | 50,000 |
| | --- | --- | 33,000 | 34,000 | 44,700 | 47,750 | 44,856 | 42,120 | 50,000 | 45,000 | --- | 42,240 |
| | --- | --- | --- | 30,000 | 35,500 | 36,500 | 37,500 | 39,250 | 50,000 | --- | --- | 37,500 |
| | --- | --- | 33,000 | 34,000 | 42,150 | 47,625 | 56,119 | 45,207 | 65,333 | 45,000 | --- | 46,407 |
| | --- | --- | --- | 4,000 | 9,521 | 12,311 | 26,138 | 9,450 | 25,094 | --- | --- | 14,725 |
| | 0 | 0 | 1 | 3 | 6 | 4 | 3 | 6 | 3 | 1 | 0 | 27 |
| 33-47 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 68,310 |
| | --- | --- | --- | 50,500 | --- | 28,800 | 42,500 | 56,810 | 82,500 | --- | --- | 52,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 39,500 |
| | --- | --- | --- | 50,500 | --- | 28,800 | 42,500 | 56,810 | 82,500 | --- | --- | 54,824 |
| | --- | --- | --- | 9,192 | --- | --- | 10,607 | 6,802 | 10,607 | --- | --- | 19,085 |
| | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 2 | 2 | 0 | 0 | 9 |
| 48-67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 66,250 |
| | --- | --- | --- | 49,000 | --- | 52,000 | --- | 70,400 | --- | 60,000 | --- | 55,900 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 49,500 |
| | --- | --- | --- | 49,000 | --- | 52,000 | --- | 70,400 | --- | 60,000 | --- | 58,467 |
| | --- | --- | --- | 9,899 | --- | --- | --- | 20,648 | --- | --- | --- | 14,370 |
| | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 6 |
| 68-99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 58,000 |
| | --- | --- | --- | --- | --- | --- | 48,500 | --- | 58,000 | --- | --- | 55,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42,000 |
| | --- | --- | --- | --- | --- | --- | 48,500 | --- | 58,000 | --- | --- | 51,667 |
| | --- | --- | --- | --- | --- | --- | 9,192 | --- | --- | --- | --- | 8,505 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 3 |
| >=100 | --- | --- | --- | --- | --- | --- | --- | --- | 94,000 | --- | --- | 95,000 |
| | --- | --- | --- | --- | --- | 42,000 | 96,000 | 73,500 | 90,000 | 64,000 | --- | 73,500 |
| | --- | --- | --- | --- | --- | --- | --- | --- | 50,000 | --- | --- | 53,500 |
| | --- | --- | --- | --- | --- | 42,000 | 96,000 | 73,500 | 78,000 | 64,000 | --- | 72,875 |
| | --- | --- | --- | --- | --- | --- | --- | 3,536 | 24,331 | --- | --- | 20,153 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 1 | 0 | 8 |
| TOTAL | 22,675 | 24,000 | 28,800 | 34,000 | 40,000 | 42,620 | 46,000 | 48,875 | 55,000 | 48,075 | --- | 38,000 |
| | 20,750 | 21,500 | 25,450 | 29,000 | 34,856 | 36,000 | 37,000 | 40,000 | 44,500 | 40,000 | 22,688 | 29,000 |
| | 18,500 | 19,000 | 22,000 | 24,825 | 28,725 | 30,000 | 31,000 | 33,000 | 36,075 | 33,950 | --- | 23,000 |
| | 20,882 | 21,543 | 25,651 | 30,095 | 34,934 | 37,143 | 40,201 | 41,542 | 47,884 | 42,623 | 22,688 | 32,019 |
| | 3,479 | 4,089 | 5,169 | 8,712 | 9,373 | 10,208 | 12,854 | 13,690 | 17,332 | 13,509 | 724 | 12,827 |
| | 56 | 312 | 321 | 210 | 134 | 132 | 111 | 232 | 88 | 74 | 2 | 1,672 |

TABLE-3.3.2

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN PRIVATE INDUSTRY
by SUBORDINATES (PROFESSIONALS + TECHNICIANS) and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SUBORDINATES (Profs + Techs) | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
| 0 | --- | 19,975 | 20,366 | 21,800 | 27,223 | 28,000 | 34,000 | 29,203 | 24,614 | 31,503 | 21,758 | 21,675 | - 25th %-ile |
| | --- | 24,000 | 24,500 | 27,600 | 32,000 | 33,600 | 40,000 | 38,240 | 33,500 | 41,520 | 28,610 | 30,000 | - Median |
| | --- | 25,000 | 28,243 | 32,250 | 38,000 | 41,000 | 42,000 | 42,750 | 40,150 | 46,950 | 34,250 | 36,000 | - 75th %-ile |
| | --- | 23,035 | 25,086 | 28,750 | 34,652 | 34,407 | 37,477 | 38,482 | 34,151 | 41,785 | 30,322 | 31,292 | - Mean |
| | --- | 2,898 | 5,011 | 7,026 | 8,830 | 9,329 | 7,678 | 10,158 | 9,399 | 9,416 | 9,530 | 9,473 | - Std Dev |
| | 0 | 21 | 86 | 73 | 45 | 31 | 19 | 44 | 16 | 20 | 46 | 401 | - Count |
| 1-2 | --- | 22,666 | 22,523 | 24,953 | 26,352 | 28,593 | 34,784 | 30,906 | 30,664 | 36,750 | 26,513 | 24,781 | |
| | --- | 26,000 | 26,250 | 30,000 | 35,000 | 32,000 | 40,500 | 37,560 | 40,488 | 43,000 | 32,760 | 32,600 | |
| | --- | 29,500 | 30,000 | 34,500 | 40,000 | 40,750 | 43,550 | 43,025 | 50,445 | 55,000 | 35,175 | 40,000 | |
| | --- | 26,175 | 26,668 | 31,300 | 34,681 | 34,837 | 40,431 | 37,946 | 40,520 | 46,556 | 33,785 | 34,109 | |
| | --- | 4,385 | 4,673 | 6,626 | 8,750 | 6,841 | 7,294 | 7,800 | 10,028 | 14,510 | 8,720 | 9,028 | |
| | 0 | 8 | 46 | 45 | 32 | 21 | 26 | 44 | 10 | 9 | 53 | 274 | |
| 3-7 | --- | --- | 23,978 | 30,000 | 31,000 | 31,425 | 36,444 | 37,191 | 32,856 | 37,445 | 32,000 | 27,788 | |
| | --- | 26,500 | 29,580 | 33,000 | 32,000 | 36,000 | 45,840 | 42,500 | 37,600 | 43,000 | 37,000 | 36,000 | |
| | --- | --- | 32,000 | 37,000 | 38,000 | 42,985 | 53,000 | 49,150 | 49,500 | 44,750 | 43,000 | 43,000 | |
| | --- | 26,300 | 28,269 | 33,584 | 34,711 | 39,504 | 47,350 | 45,128 | 40,857 | 43,213 | 38,257 | 37,752 | |
| | --- | 4,667 | 4,470 | 6,070 | 6,197 | 11,932 | 12,663 | 9,761 | 11,634 | 9,972 | 9,671 | 10,711 | |
| | 0 | 2 | 34 | 39 | 19 | 17 | 21 | 32 | 14 | 8 | 23 | 209 | |
| 8-12 | --- | --- | 25,161 | 27,898 | 31,650 | 34,500 | 24,613 | 38,625 | 34,478 | --- | 28,577 | 28,819 | |
| | --- | 20,000 | 27,000 | 32,500 | 40,600 | 52,000 | 34,900 | 43,850 | 42,500 | 36,000 | 36,540 | 37,500 | |
| | --- | --- | 32,025 | 37,300 | 44,750 | 56,000 | 48,750 | 66,600 | 57,250 | --- | 47,100 | 46,500 | |
| | --- | 20,000 | 28,138 | 32,817 | 41,294 | 47,500 | 35,950 | 51,808 | 47,767 | 36,000 | 37,270 | 40,617 | |
| | --- | --- | 3,610 | 5,072 | 11,577 | 11,435 | 12,754 | 13,354 | 19,064 | --- | 9,951 | 13,915 | |
| | 0 | 1 | 8 | 6 | 9 | 3 | 4 | 12 | 6 | 1 | 4 | 54 | |
| 13-17 | --- | --- | --- | --- | --- | 33,094 | 40,000 | 38,047 | --- | 60,000 | 26,563 | 30,459 | |
| | --- | --- | 37,750 | 35,600 | 34,050 | 43,500 | 41,808 | 60,000 | 39,000 | 62,000 | 39,000 | 42,300 | |
| | --- | --- | --- | --- | --- | 51,659 | 46,000 | 72,250 | --- | 74,400 | 44,500 | 49,053 | |
| | --- | --- | 37,750 | 35,600 | 34,050 | 41,135 | 42,603 | 56,500 | 39,000 | 65,467 | 36,500 | 44,136 | |
| | --- | --- | 11,667 | 6,505 | 1,909 | 19,968 | 5,078 | 18,699 | 4,243 | 7,801 | 9,985 | 15,440 | |
| | 0 | 0 | 2 | 2 | 2 | 6 | 5 | 4 | 2 | 3 | 4 | 28 | |
| 18-22 | --- | --- | --- | 31,125 | --- | --- | 40,000 | 44,000 | --- | --- | --- | 36,825 | |
| | --- | --- | 40,000 | 36,000 | 44,000 | 45,745 | 48,000 | 53,000 | --- | --- | 48,900 | 44,000 | |
| | --- | --- | --- | 48,500 | --- | --- | 60,000 | 58,200 | --- | --- | --- | 51,500 | |
| | --- | --- | 40,000 | 39,000 | 44,000 | 45,745 | 49,333 | 51,755 | --- | --- | 48,900 | 45,382 | |
| | --- | --- | --- | 9,000 | --- | 3,472 | 10,066 | 7,184 | --- | --- | 17,112 | 9,227 | |
| | 0 | 0 | 1 | 5 | 1 | 2 | 3 | 3 | 0 | 0 | 2 | 17 | |
| 23-32 | --- | --- | --- | --- | --- | --- | --- | 43,000 | --- | --- | 39,550 | 40,073 | |
| | --- | --- | --- | 30,000 | --- | 50,000 | 58,830 | 48,000 | 65,000 | 76,000 | 42,000 | 48,330 | |
| | --- | --- | --- | --- | --- | --- | --- | 61,000 | --- | --- | 48,000 | 66,000 | |
| | --- | --- | --- | 30,000 | --- | 50,000 | 58,830 | 50,667 | 65,000 | 76,000 | 43,183 | 53,301 | |
| | --- | --- | --- | --- | --- | 14,142 | 14,383 | 9,292 | --- | 5,657 | 4,348 | 14,598 | |
| | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 3 | 1 | 2 | 3 | 14 | |
| 33-47 | --- | --- | --- | --- | --- | 42,000 | 50,000 | 48,594 | --- | --- | --- | 46,086 | |
| | --- | --- | --- | 47,400 | 43,250 | 52,000 | 50,250 | 59,150 | --- | 65,000 | --- | 51,250 | |
| | --- | --- | --- | --- | --- | 65,000 | 53,875 | 65,500 | --- | --- | --- | 60,750 | |
| | --- | --- | --- | 47,400 | 43,250 | 53,000 | 51,375 | 57,050 | --- | 65,000 | --- | 52,950 | |
| | --- | --- | --- | 5,677 | 16,617 | 11,533 | 2,428 | 7,412 | --- | --- | --- | 8,924 | |
| | 0 | 0 | 0 | 2 | 2 | 3 | 4 | 6 | 0 | 1 | 0 | 18 | |
| 48-67 | --- | --- | --- | 39,891 | 56,000 | --- | --- | --- | --- | --- | --- | 43,828 | |
| | --- | --- | --- | 43,500 | 57,000 | --- | --- | 67,000 | --- | 75,000 | --- | 56,500 | |
| | --- | --- | --- | 49,770 | 100,000 | --- | --- | --- | --- | --- | --- | 69,750 | |
| | --- | --- | --- | 44,340 | 71,000 | --- | --- | 67,000 | --- | 75,000 | --- | 59,936 | |
| | --- | --- | --- | 5,282 | 25,120 | --- | --- | 1,414 | --- | --- | --- | 18,302 | |
| | 0 | 0 | 0 | 4 | 3 | 0 | 0 | 2 | 0 | 1 | 0 | 10 | |
| 68-99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40,359 | |
| | --- | --- | 30,000 | --- | 77,000 | 78,500 | 64,272 | --- | --- | --- | 43,000 | 69,636 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 78,250 | |
| | --- | --- | 30,000 | --- | 77,000 | 78,500 | 64,272 | --- | --- | --- | 43,000 | 61,379 | |
| | --- | --- | --- | --- | --- | 4,950 | --- | --- | --- | --- | --- | 20,900 | |
| | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 6 | |
| >=100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 16,000 | |
| | --- | --- | --- | --- | --- | --- | --- | 85,250 | --- | --- | 16,000 | 70,500 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 100,000 | |
| | --- | --- | --- | --- | --- | --- | --- | 85,250 | --- | --- | 16,000 | 62,167 | |
| | --- | --- | --- | --- | --- | --- | --- | 20,860 | --- | --- | --- | 42,616 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | |
| TOTAL | --- | 20,375 | 21,509 | 23,425 | 27,094 | 30,046 | 37,810 | 32,313 | 29,450 | 35,350 | 25,625 | 23,494 | |
| | --- | 24,250 | 26,200 | 30,000 | 34,500 | 36,000 | 41,808 | 41,000 | 37,440 | 43,000 | 32,000 | 33,000 | |
| | --- | 26,000 | 30,000 | 36,000 | 40,000 | 43,000 | 49,000 | 49,380 | 46,793 | 55,000 | 40,000 | 41,072 | |
| | --- | 23,929 | 26,493 | 31,539 | 36,745 | 38,696 | 42,943 | 43,478 | 39,861 | 47,218 | 33,941 | 35,630 | |
| | --- | 3,629 | 5,182 | 7,421 | 11,521 | 12,765 | 10,610 | 12,636 | 12,394 | 14,044 | 10,049 | 12,012 | |
| | 0 | 32 | 178 | 177 | 114 | 87 | 83 | 152 | 49 | 45 | 117 | 1,034 | |

TABLE-3.3.3

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY
by SUBORDINATES (PROFESSIONALS + TECHNICIANS) and YEARS SINCE BS
1982 Survey of ACS Members

| SUBORDINATES (Profs + Techs) | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| 0 | --- | --- | 34,725 | 36,000 | 44,000 | 48,600 | 50,250 | 53,000 | 56,000 | 60,000 | 44,000 | 46,150 - 75th %-ile |
| | --- | --- | 31,900 | 33,600 | 37,700 | 40,000 | 45,000 | 48,000 | 49,300 | 47,000 | 36,200 | 37,900 - Median |
| | --- | --- | 29,550 | 30,000 | 33,800 | 35,825 | 39,750 | 40,800 | 39,600 | 40,375 | 32,500 | 32,668 - 25th %-ile |
| | --- | --- | 31,880 | 33,565 | 38,360 | 43,517 | 45,857 | 48,104 | 49,308 | 51,562 | 39,454 | 40,374 - Mean |
| | --- | --- | 3,337 | 7,677 | 8,445 | 12,259 | 9,211 | 10,275 | 13,593 | 15,748 | 10,555 | 11,551 - Std Dev |
| | 0 | 0 | 72 | 79 | 79 | 53 | 46 | 51 | 27 | 29 | 76 | 512 - Count |
| 1-2 | --- | --- | 35,400 | 39,490 | 43,000 | 48,300 | 52,500 | 56,875 | 51,000 | 50,962 | 44,025 | 45,000 |
| | --- | 20,000 | 35,000 | 36,000 | 39,500 | 44,500 | 45,000 | 48,500 | 45,000 | 48,000 | 36,000 | 38,100 |
| | --- | --- | 31,000 | 32,138 | 35,000 | 40,000 | 39,725 | 42,375 | 40,000 | 41,100 | 32,790 | 33,200 |
| | --- | 20,000 | 33,256 | 36,159 | 39,523 | 45,040 | 46,595 | 49,029 | 46,899 | 49,748 | 38,857 | 40,162 |
| | --- | --- | 3,316 | 5,710 | 7,452 | 9,216 | 9,614 | 11,667 | 12,220 | 13,424 | 8,774 | 9,678 |
| | 0 | 1 | 145 | 185 | 151 | 93 | 61 | 72 | 40 | 25 | 94 | 367 |
| 3-7 | --- | --- | 39,875 | 41,400 | 47,625 | 53,775 | 52,500 | 55,900 | 52,600 | 72,100 | 51,500 | 50,000 |
| | --- | 31,000 | 34,500 | 36,500 | 41,425 | 43,650 | 49,000 | 49,000 | 50,000 | 58,300 | 43,500 | 43,000 |
| | --- | --- | 30,705 | 33,500 | 38,000 | 41,746 | 44,100 | 40,000 | 43,650 | 40,150 | 36,000 | 37,000 |
| | --- | 31,000 | 34,812 | 37,655 | 42,463 | 49,451 | 50,617 | 48,706 | 51,960 | 56,907 | 44,189 | 45,043 |
| | --- | --- | 5,099 | 6,164 | 7,436 | 11,506 | 11,769 | 11,666 | 14,091 | 17,047 | 9,188 | 11,456 |
| | 0 | 1 | 28 | 79 | 90 | 78 | 47 | 49 | 20 | 20 | 52 | 464 |
| 8-12 | --- | --- | --- | 49,000 | 51,000 | 54,000 | 55,000 | 61,000 | 84,000 | 65,000 | 57,125 | 54,000 |
| | --- | --- | 35,000 | 41,875 | 46,000 | 49,492 | 50,000 | 52,000 | 49,500 | 56,000 | 49,900 | 48,000 |
| | --- | --- | --- | 37,497 | 41,350 | 43,080 | 43,000 | 48,275 | 48,000 | 54,000 | 41,000 | 42,000 |
| | --- | --- | 35,000 | 43,246 | 46,451 | 48,555 | 49,842 | 55,335 | 60,500 | 61,035 | 49,458 | 48,846 |
| | --- | --- | 4,243 | 7,495 | 6,443 | 9,077 | 7,508 | 9,244 | 23,043 | 10,945 | 11,874 | 10,076 |
| | 0 | 0 | 2 | 30 | 49 | 40 | 19 | 17 | 4 | 11 | 24 | 196 |
| 13-17 | --- | --- | --- | 55,000 | 51,075 | 58,000 | 67,500 | 62,250 | 52,000 | 86,500 | 70,000 | 58,410 |
| | --- | --- | 34,000 | 46,500 | 47,500 | 52,000 | 57,750 | 55,000 | 51,000 | 56,000 | 55,000 | 53,170 |
| | --- | --- | --- | 40,000 | 42,375 | 46,000 | 56,750 | 51,670 | 44,000 | 55,000 | 53,000 | 46,375 |
| | --- | --- | 34,000 | 47,927 | 48,272 | 51,913 | 60,750 | 57,178 | 49,000 | 65,833 | 59,555 | 53,234 |
| | --- | --- | --- | 8,694 | 7,150 | 8,181 | 5,690 | 7,987 | 4,761 | 17,905 | 11,243 | 10,025 |
| | 0 | 0 | 1 | 11 | 18 | 15 | 6 | 13 | 4 | 3 | 11 | 82 |
| 18-22 | --- | --- | --- | 46,975 | 54,200 | 57,500 | 76,500 | 59,500 | 48,000 | 65,425 | 66,000 | 60,000 |
| | --- | --- | 34,000 | 44,850 | 50,000 | 50,250 | 69,000 | 52,500 | 45,000 | 58,000 | 55,000 | 51,125 |
| | --- | --- | --- | 40,050 | 44,520 | 47,000 | 61,000 | 45,500 | 42,120 | 53,716 | 32,000 | 45,000 |
| | --- | --- | 34,000 | 43,288 | 49,604 | 52,840 | 68,000 | 52,500 | 45,040 | 59,698 | 48,000 | 52,466 |
| | --- | --- | --- | 4,830 | 5,752 | 8,843 | 11,212 | 8,382 | 2,940 | 7,609 | 19,313 | 12,357 |
| | 0 | 0 | 1 | 8 | 9 | 9 | 8 | 5 | 3 | 6 | 7 | 56 |
| 23-32 | --- | --- | --- | 54,500 | 55,750 | 69,000 | 62,000 | 84,000 | --- | 75,000 | 72,450 | 65,000 |
| | --- | --- | 41,000 | 48,000 | 51,000 | 62,500 | 60,000 | 64,200 | 71,000 | 64,000 | 57,000 | 56,750 |
| | --- | --- | --- | 45,500 | 42,500 | 55,000 | 52,000 | 54,250 | --- | 56,400 | 47,200 | 50,000 |
| | --- | --- | 41,000 | 49,875 | 49,167 | 62,045 | 58,218 | 66,243 | 71,000 | 65,133 | 58,367 | 58,757 |
| | --- | --- | --- | 6,221 | 9,341 | 10,001 | 7,403 | 15,541 | 26,870 | 9,352 | 14,220 | 12,973 |
| | 0 | 0 | 1 | 8 | 9 | 11 | 11 | 14 | 2 | 3 | 9 | 68 |
| 33-47 | --- | --- | --- | 65,250 | 61,750 | 76,250 | 72,000 | 69,725 | 78,000 | --- | 68,925 | 70,000 |
| | --- | --- | --- | 58,000 | 59,000 | 60,000 | 69,500 | 63,750 | 70,000 | 65,000 | 64,850 | 63,500 |
| | --- | --- | --- | 45,500 | 43,500 | 48,090 | 61,125 | 61,900 | 60,750 | --- | 57,250 | 59,750 |
| | --- | --- | --- | 56,250 | 56,833 | 62,480 | 68,120 | 65,900 | 69,500 | 65,000 | 63,675 | 64,014 |
| | --- | --- | --- | 10,532 | 7,731 | 19,307 | 7,140 | 5,537 | 10,320 | 2,828 | 6,311 | 10,908 |
| | 0 | 0 | 0 | 4 | 6 | 9 | 10 | 10 | 5 | 2 | 4 | 50 |
| 48-67 | --- | --- | --- | --- | --- | 70,250 | 77,500 | 72,000 | 66,450 | 98,000 | 76,500 | 72,000 |
| | --- | 60,000 | --- | --- | 50,725 | 59,000 | 69,500 | 70,000 | 59,000 | 70,000 | 69,000 | 65,000 |
| | --- | --- | --- | --- | --- | 46,250 | 60,000 | 62,000 | 52,000 | 59,000 | 62,500 | 60,000 |
| | --- | 60,000 | --- | --- | 50,725 | 58,500 | 70,056 | 69,429 | 59,150 | 75,667 | 69,400 | 66,359 |
| | --- | --- | --- | --- | 13,117 | 12,450 | 9,942 | 9,199 | 7,639 | 20,108 | 7,301 | 11,646 |
| | 0 | 1 | 0 | 0 | 2 | 4 | 9 | 7 | 4 | 3 | 5 | 35 |
| 68-99 | --- | --- | --- | --- | --- | 78,750 | 85,250 | 89,000 | 80,000 | --- | --- | 80,000 |
| | --- | --- | --- | --- | 68,800 | 71,000 | 62,500 | 78,000 | 75,000 | 69,000 | 76,000 | 72,000 |
| | --- | --- | --- | --- | --- | 57,500 | 54,225 | 70,000 | 70,000 | --- | --- | 65,000 |
| | --- | --- | --- | --- | 68,800 | 68,833 | 67,325 | 79,200 | 75,000 | 69,000 | 76,000 | 72,257 |
| | --- | --- | --- | --- | 12,445 | 12,172 | 17,259 | 9,960 | 5,000 | --- | 8,485 | 11,285 |
| | 0 | 0 | 0 | 0 | 2 | 6 | 4 | 5 | 3 | 1 | 2 | 23 |
| >=100 | --- | --- | --- | --- | 81,500 | 97,500 | 93,000 | 92,500 | 83,750 | 94,250 | --- | 87,625 |
| | --- | --- | --- | --- | 66,000 | 81,000 | 64,000 | 77,500 | 75,925 | 65,000 | 83,500 | 75,000 |
| | --- | --- | --- | --- | 45,000 | 65,500 | 60,000 | 68,100 | 70,463 | 60,500 | --- | 63,481 |
| | --- | --- | --- | --- | 63,800 | 81,400 | 66,643 | 79,800 | 76,713 | 72,045 | 83,500 | 73,829 |
| | --- | --- | --- | --- | 20,327 | 19,087 | 30,431 | 12,254 | 7,028 | 21,142 | 2,121 | 19,697 |
| | 0 | 0 | 0 | 0 | 5 | 5 | 7 | 8 | 4 | 9 | 2 | 40 |
| TOTAL | --- | 60,000 | 35,010 | 41,000 | 47,150 | 55,000 | 60,000 | 62,000 | 60,000 | 67,000 | 51,595 | 51,350 |
| | --- | 31,000 | 33,000 | 36,300 | 41,050 | 46,800 | 50,000 | 52,000 | 50,000 | 54,644 | 40,450 | 42,000 |
| | --- | 20,000 | 30,580 | 32,525 | 36,613 | 41,000 | 42,000 | 44,000 | 42,340 | 44,475 | 34,150 | 35,000 |
| | --- | 37,000 | 33,085 | 37,403 | 42,269 | 49,064 | 52,026 | 53,479 | 52,393 | 56,911 | 43,961 | 44,882 |
| | --- | 20,664 | 3,673 | 7,612 | 9,117 | 12,715 | 13,402 | 13,852 | 14,971 | 16,348 | 12,969 | 13,343 |
| | 0 | 3 | 250 | 404 | 420 | 323 | 228 | 251 | 116 | 112 | 286 | 2,393 |

TABLE-3.4.1

SALARIES of B.S. CHEMISTS EMPLOYED FULL-TIME in PRIVATE INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
1982 Survey of ACS Members

| WORK FUNCTION | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
| Mgt-R&D | --- | 24,800 | 32,900 | 39,000 | 45,600 | 49,000 | 55,000 | 55,000 | 70,000 | 57,500 | --- | 50,000 | - 75th %-ile |
| | 18,500 | 24,500 | 25,500 | 32,500 | 38,000 | 43,000 | 48,000 | 45,000 | 53,820 | 50,000 | --- | 40,000 | - Median |
| | --- | 21,000 | 23,500 | 27,270 | 34,000 | 36,525 | 38,500 | 36,750 | 37,000 | 42,500 | --- | 31,000 | - 25th %-ile |
| | 18,500 | 23,433 | 27,419 | 33,473 | 39,173 | 43,828 | 48,567 | 47,185 | 56,355 | 50,492 | --- | 41,921 | - Mean |
| | 4,950 | 2,113 | 8,208 | 8,381 | 7,528 | 9,691 | 14,855 | 12,792 | 19,426 | 11,715 | --- | 14,900 | - Std Dev |
| | 2 | 3 | 21 | 26 | 11 | 18 | 15 | 37 | 15 | 15 | 0 | 161 | - Count |
| Basic research | 21,000 | 23,000 | 29,040 | 32,950 | 40,200 | 37,600 | 46,000 | 49,500 | 49,000 | --- | --- | 31,500 | |
| | 20,400 | 20,900 | 24,000 | 30,000 | 27,400 | 36,000 | 36,000 | 35,300 | 45,800 | 54,634 | --- | 25,000 | |
| | 18,700 | 19,400 | 20,500 | 23,712 | 18,500 | 33,000 | 34,100 | 28,850 | 27,000 | --- | --- | 20,000 | |
| | 19,332 | 20,736 | 24,484 | 28,901 | 28,700 | 35,721 | 38,700 | 38,400 | 40,600 | 54,634 | --- | 25,917 | |
| | 1,920 | 3,440 | 5,490 | 6,440 | 11,609 | 2,761 | 6,393 | 11,467 | 11,886 | 33,226 | --- | 9,746 | |
| | 15 | 39 | 19 | 11 | 4 | 7 | 3 | 5 | 3 | 2 | 0 | 104 | |
| Applied R&D | 22,900 | 25,300 | 27,500 | 35,700 | 37,200 | 41,000 | 41,000 | 44,000 | 52,750 | 42,500 | --- | 35,370 | |
| | 21,500 | 21,600 | 24,843 | 27,700 | 34,500 | 36,000 | 36,888 | 37,000 | 39,500 | 38,500 | 22,176 | 27,000 | |
| | 13,500 | 19,200 | 21,690 | 25,000 | 29,000 | 29,800 | 30,366 | 33,600 | 31,230 | 33,000 | --- | 22,000 | |
| | 21,184 | 21,575 | 25,112 | 29,150 | 33,644 | 35,947 | 36,298 | 39,151 | 42,627 | 38,336 | 22,176 | 29,337 | |
| | 3,468 | 3,451 | 4,904 | 5,523 | 5,314 | 7,737 | 6,778 | 8,311 | 15,465 | 8,567 | --- | 9,478 | |
| | 19 | 123 | 121 | 50 | 43 | 53 | 25 | 59 | 22 | 21 | 1 | 517 | |
| Mgt Non-R&D | --- | 26,250 | 29,700 | 46,875 | 46,000 | 55,000 | 47,589 | 67,000 | 68,750 | 42,800 | --- | 52,750 | |
| | --- | 24,000 | 27,000 | 34,500 | 36,900 | 39,100 | 39,250 | 50,000 | 48,618 | 40,000 | --- | 40,000 | |
| | --- | 24,000 | 22,500 | 22,500 | 29,275 | 35,338 | 35,000 | 40,000 | 40,750 | 37,236 | --- | 30,000 | |
| | --- | 24,263 | 26,369 | 40,470 | 40,443 | 48,103 | 46,111 | 51,845 | 54,625 | 43,791 | --- | 43,768 | |
| | --- | 3,424 | 4,947 | 25,040 | 16,789 | 12,260 | 20,258 | 19,644 | 20,183 | 11,727 | --- | 19,004 | |
| | 0 | 8 | 13 | 10 | 14 | 16 | 16 | 29 | 17 | 7 | 0 | 130 | |
| Marketing | --- | 28,350 | 29,643 | 35,000 | 41,500 | 43,375 | 52,000 | 49,068 | 55,000 | 47,250 | --- | 40,000 | |
| | 24,100 | 24,000 | 27,500 | 31,800 | 34,000 | 39,500 | 40,000 | 40,000 | 41,000 | 41,000 | --- | 32,500 | |
| | --- | 17,150 | 25,000 | 30,000 | 30,000 | 31,500 | 35,875 | 36,125 | 34,000 | 36,250 | --- | 27,500 | |
| | 24,100 | 23,217 | 27,466 | 32,352 | 35,755 | 38,875 | 43,458 | 41,225 | 45,065 | 39,375 | --- | 34,578 | |
| | 6,505 | 6,383 | 4,243 | 6,020 | 8,928 | 12,254 | 9,959 | 8,346 | 14,925 | 10,954 | --- | 10,658 | |
| | 2 | 18 | 51 | 27 | 19 | 16 | 12 | 28 | 8 | 8 | 0 | 169 | |
| Prod & QC | 23,100 | 24,000 | 29,000 | 29,705 | 37,080 | 37,495 | 39,615 | 43,000 | 51,200 | 38,000 | --- | 32,483 | |
| | 20,026 | 21,000 | 25,500 | 26,375 | 30,000 | 32,500 | 35,500 | 34,000 | 44,000 | 32,500 | 23,200 | 26,000 | |
| | 19,092 | 19,200 | 21,900 | 23,967 | 28,000 | 24,750 | 28,825 | 28,150 | 40,000 | 30,000 | --- | 22,000 | |
| | 20,582 | 21,473 | 25,590 | 27,186 | 32,308 | 31,337 | 35,711 | 36,326 | 45,123 | 34,230 | 23,200 | 28,152 | |
| | 2,701 | 3,437 | 5,013 | 6,501 | 8,766 | 7,644 | 9,184 | 10,262 | 7,476 | 6,429 | --- | 8,638 | |
| | 10 | 71 | 71 | 52 | 23 | 26 | 20 | 34 | 7 | 10 | 1 | 525 | |
| Forsenic | --- | 22,915 | 29,700 | 26,850 | 42,000 | 40,350 | --- | 38,750 | --- | --- | --- | 30,000 | |
| | 14,000 | 19,700 | 24,745 | 24,194 | 36,000 | 29,850 | 25,643 | 33,950 | 48,500 | 35,000 | --- | 24,000 | |
| | --- | 17,000 | 20,725 | 18,000 | 35,109 | 22,545 | --- | 28,640 | --- | --- | --- | 19,500 | |
| | 14,000 | 19,963 | 25,100 | 24,099 | 37,703 | 30,915 | 25,643 | 33,010 | 48,500 | 35,000 | --- | 25,266 | |
| | --- | 4,296 | 4,985 | 6,562 | 4,255 | 9,309 | 1,616 | 7,959 | --- | --- | --- | 9,026 | |
| | 1 | 24 | 16 | 3 | 4 | 4 | 2 | 6 | 1 | 1 | 0 | 67 | |
| Writing/ Editing | --- | --- | 29,100 | --- | --- | --- | --- | 35,000 | --- | --- | --- | 36,330 | |
| | 21,500 | 18,500 | 25,343 | 22,400 | 37,586 | 39,270 | 37,200 | 26,130 | 29,150 | 40,000 | --- | 26,130 | |
| | --- | --- | 25,000 | --- | --- | --- | --- | 21,060 | --- | --- | --- | 22,400 | |
| | 21,500 | 18,500 | 26,613 | 22,400 | 37,586 | 39,270 | 37,200 | 27,397 | 29,150 | 40,000 | --- | 32,123 | |
| | 4,950 | --- | 2,185 | --- | 3,414 | 12,346 | 16,546 | 7,056 | 10,112 | --- | --- | 9,294 | |
| | 2 | 1 | 3 | 1 | 2 | 2 | 2 | 3 | 2 | 1 | 0 | 19 | |
| Data Proc | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 31,750 | |
| | --- | 16,000 | --- | 33,000 | --- | --- | --- | 28,000 | --- | --- | --- | 23,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 15,000 | |
| | --- | 16,000 | --- | 33,000 | --- | --- | --- | 28,000 | --- | --- | --- | 23,250 | |
| | --- | 2,828 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8,770 | |
| | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | |
| Consulting | --- | 23,000 | --- | 33,400 | --- | --- | --- | --- | --- | --- | --- | 38,750 | |
| | --- | 18,800 | 26,225 | 31,500 | 40,000 | 30,000 | 40,000 | 30,000 | 51,900 | --- | --- | 30,500 | |
| | --- | 15,240 | --- | 29,500 | --- | --- | --- | --- | --- | --- | --- | 25,000 | |
| | --- | 19,015 | 26,225 | 31,460 | 40,000 | 30,000 | 40,000 | 30,000 | 51,900 | --- | --- | 31,912 | |
| | --- | 3,884 | 3,147 | 2,492 | --- | --- | --- | --- | 6,223 | --- | --- | 10,346 | |
| | 0 | 3 | 2 | 5 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 16 | |
| Other | --- | --- | 28,750 | 34,750 | 46,000 | --- | --- | 44,000 | --- | 52,210 | --- | 36,250 | |
| | 24,900 | 24,200 | 26,500 | 32,348 | 33,500 | 35,000 | --- | 37,500 | --- | 38,920 | --- | 29,250 | |
| | --- | --- | 23,250 | 21,549 | 21,000 | --- | --- | 23,000 | --- | 29,675 | --- | 24,000 | |
| | 24,900 | 24,200 | 24,625 | 29,349 | 33,500 | 35,000 | --- | 34,500 | --- | 43,335 | --- | 30,861 | |
| | --- | 3,111 | 6,368 | 7,592 | 12,974 | --- | --- | 10,310 | --- | 12,022 | --- | 9,955 | |
| | 1 | 2 | 8 | 4 | 4 | 1 | 0 | 6 | 0 | 4 | 0 | 30 | |
| No Response | 29,000 | 24,250 | 28,000 | 40,000 | 44,250 | 40,100 | 45,000 | 43,000 | 55,000 | 60,000 | --- | 40,850 | |
| | 24,500 | 21,450 | 25,825 | 28,000 | 35,000 | 33,000 | 36,000 | 37,000 | 43,000 | 50,000 | --- | 30,000 | |
| | 18,875 | 19,000 | 22,500 | 24,000 | 24,600 | 27,018 | 30,000 | 28,000 | 33,000 | 41,496 | --- | 24,000 | |
| | 24,125 | 23,174 | 25,203 | 30,577 | 35,356 | 33,903 | 38,090 | 41,384 | 48,847 | 55,028 | --- | 34,202 | |
| | 5,266 | 7,103 | 4,429 | 10,158 | 11,454 | 10,708 | 12,201 | 19,702 | 18,502 | 21,472 | --- | 15,636 | |
| | 4 | 19 | 20 | 15 | 9 | 8 | 15 | 23 | 11 | 7 | 0 | 130 | |
| TOTAL | 22,675 | 24,000 | 28,800 | 34,000 | 40,000 | [illegible] | 46,000 | 48,875 | 55,000 | 48,075 | --- | 38,000 | |
| | 20,750 | 21,500 | 25,450 | 29,000 | 34,856 | [illegible] | 37,000 | 40,000 | 44,500 | 40,000 | 22,688 | 29,000 | |
| | 18,300 | 19,000 | 22,000 | 24,825 | 28,725 | 30,000 | 31,000 | 35,000 | 36,075 | 33,950 | --- | 23,000 | |
| | 20,882 | 21,543 | 25,651 | 30,095 | 34,934 | 37,143 | 40,201 | 41,542 | 47,884 | 42,623 | 22,688 | 32,019 | |
| | 3,479 | 4,089 | 5,169 | 8,712 | 9,373 | 10,208 | 12,854 | 13,690 | 17,332 | 15,309 | 724 | 12,827 | |
| | 56 | 312 | 421 | 210 | 134 | 132 | 111 | 252 | 88 | 74 | 2 | 1,672 | |

TABLE-5.4.2

SALARIES of B.S. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY - MEN Only
by WORK FUNCTION and YEARS SINCE BS
1982 Survey of ACS Members

| WORK FUNCTION | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
| Mgt-R&D | --- | 24,800 | 35,650 | 39,000 | 47,520 | 46,625 | 57,000 | 55,950 | 70,000 | 54,750 | --- | 50,030 | - 75th %-ile |
| | --- | 24,500 | 30,000 | 34,000 | 40,000 | 42,500 | 49,000 | 46,650 | 55,820 | 49,000 | --- | 40,100 | - Median |
| | --- | 21,000 | 25,500 | 27,000 | 33,000 | 36,175 | 40,250 | 36,375 | 37,000 | 41,250 | --- | 32,000 | - 25th %-ile |
| | --- | 23,455 | 28,124 | 33,846 | 39,579 | 45,181 | 50,654 | 47,023 | 56,355 | 49,567 | --- | 42,792 | - Mean |
| | --- | 2,113 | 8,997 | 8,819 | 8,549 | 9,880 | 14,539 | 12,955 | 19,426 | 11,475 | --- | 14,867 | - Std Dev |
| | 0 | 5 | 17 | 23 | 9 | 16 | 13 | 36 | 15 | 12 | 0 | 184 | - Count |
| Basic research | 21,750 | 23,975 | 30,350 | 35,475 | 34,800 | 37,600 | 46,000 | 49,500 | 49,000 | --- | --- | 34,450 | |
| | 20,700 | 21,300 | 25,000 | 30,000 | 20,000 | 36,000 | 36,000 | 35,500 | 45,800 | 54,634 | --- | 25,900 | |
| | 18,150 | 17,000 | 22,500 | 23,356 | 18,000 | 35,000 | 34,100 | 28,850 | 27,000 | --- | --- | 21,500 | |
| | 20,200 | 20,888 | 25,829 | 28,974 | 24,267 | 35,721 | 38,700 | 38,400 | 40,600 | 54,634 | --- | 29,020 | |
| | 1,980 | 5,629 | 4,985 | 6,975 | 9,177 | 2,761 | 6,593 | 11,467 | 11,886 | 33,226 | --- | 11,012 | |
| | 4 | 16 | 9 | 9 | 5 | 7 | 3 | 5 | 3 | 2 | 0 | 61 | |
| Applied R&D | 22,900 | 23,800 | 27,500 | 34,000 | 37,250 | 41,000 | 41,500 | 45,000 | 55,500 | 42,300 | --- | 36,675 | |
| | 21,250 | 22,000 | 24,840 | 29,000 | 34,550 | 36,360 | 37,750 | 38,000 | 39,000 | 38,525 | 22,176 | 28,884 | |
| | 18,075 | 19,500 | 21,780 | 25,850 | 29,048 | 29,600 | 30,549 | 33,600 | 30,860 | 32,500 | --- | 22,900 | |
| | 21,183 | 21,924 | 25,213 | 29,752 | 33,792 | 36,012 | 36,937 | 39,428 | 42,675 | 38,003 | 22,176 | 30,465 | |
| | 3,173 | 3,577 | 4,978 | 5,586 | 5,360 | 7,986 | 6,678 | 8,291 | 15,845 | 8,649 | --- | 9,724 | |
| | 12 | 83 | 95 | 44 | 38 | 31 | 22 | 57 | 21 | 20 | 1 | 424 | |
| Mgt Non-R&D | --- | 24,000 | 29,750 | 55,750 | 48,000 | 55,000 | 47,589 | 68,250 | 65,000 | 41,650 | --- | 53,500 | |
| | --- | 24,000 | 27,000 | 35,000 | 36,900 | 40,000 | 39,250 | 50,000 | 48,616 | 40,000 | --- | 40,000 | |
| | --- | 24,000 | 21,950 | 27,100 | 28,425 | 34,350 | 35,000 | 39,500 | 41,000 | 38,000 | --- | 30,000 | |
| | --- | 23,500 | 26,117 | 42,633 | 40,953 | 44,977 | 46,111 | 52,365 | 54,208 | 39,860 | --- | 43,924 | |
| | --- | 2,872 | 5,079 | 23,335 | 18,170 | 12,164 | 20,238 | 20,597 | 20,550 | 2,121 | --- | 19,370 | |
| | 0 | 7 | 12 | 9 | 12 | 15 | 16 | 26 | 15 | 5 | 0 | 117 | |
| Marketing | --- | 29,850 | 29,645 | 55,000 | 42,375 | 45,125 | 52,000 | 49,068 | 55,000 | 47,250 | --- | 42,000 | |
| | 24,100 | 25,992 | 27,500 | 31,990 | 34,500 | 41,000 | 40,000 | 40,000 | 40,000 | 41,000 | --- | 35,000 | |
| | --- | 24,000 | 25,200 | 29,340 | 30,113 | 36,750 | 35,500 | 36,125 | 35,000 | 36,250 | --- | 29,000 | |
| | 24,100 | 26,099 | 27,790 | 32,550 | 36,215 | 42,071 | 43,773 | 41,223 | 45,500 | 39,375 | --- | 35,995 | |
| | 6,505 | 5,121 | 4,570 | 6,372 | 8,955 | 9,061 | 10,362 | 8,346 | 16,065 | 10,954 | --- | 10,292 | |
| | 2 | 12 | 23 | 24 | 18 | 14 | 11 | 28 | 7 | 8 | 0 | 147 | |
| Prod & QC | 25,100 | 25,603 | 30,000 | 29,935 | 39,270 | 39,234 | 39,615 | 43,000 | 51,200 | 39,000 | --- | 34,000 | |
| | 20,526 | 21,000 | 26,000 | 27,250 | 31,000 | 33,000 | 35,500 | 35,000 | 44,000 | 35,000 | 23,200 | 28,000 | |
| | 19,242 | 19,425 | 23,000 | 24,000 | 28,000 | 25,750 | 28,825 | 29,439 | 40,000 | 30,000 | --- | 23,000 | |
| | 20,737 | 21,350 | 26,565 | 27,785 | 32,729 | 32,585 | 35,711 | 36,842 | 45,123 | 34,478 | 23,200 | 29,366 | |
| | 2,345 | 3,593 | 4,810 | 6,721 | 9,210 | 7,019 | 8,184 | 10,243 | 7,476 | 6,768 | --- | 8,875 | |
| | 6 | 46 | 56 | 44 | 20 | 22 | 20 | 51 | 7 | 9 | 1 | 262 | |
| Forsenl. | --- | 22,000 | 28,100 | 52,000 | 42,000 | --- | --- | 58,750 | --- | --- | --- | 31,808 | |
| | 14,000 | 20,000 | 24,500 | 26,400 | 36,000 | 23,490 | 26,785 | 33,950 | 48,500 | 33,000 | --- | 24,500 | |
| | --- | 17,000 | 21,150 | 18,000 | 35,109 | --- | --- | 26,640 | --- | --- | --- | 19,950 | |
| | 14,000 | 19,531 | 24,831 | 25,280 | 37,705 | 23,490 | 26,785 | 33,010 | 48,500 | 33,000 | --- | 25,720 | |
| | --- | 4,724 | 4,579 | 7,867 | 4,235 | 2,673 | --- | 7,959 | --- | --- | --- | 8,576 | |
| | 1 | 15 | 13 | 5 | 4 | 2 | 1 | 6 | 1 | 1 | 0 | 49 | |
| Writing/ Editing | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 46,000 | |
| | 18,000 | --- | 25,000 | --- | --- | 48,000 | 48,900 | 50,565 | 56,500 | 40,000 | --- | 35,650 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 25,285 | |
| | 18,000 | --- | 25,000 | --- | --- | 48,000 | 48,900 | 50,565 | 56,500 | 40,000 | --- | 34,666 | |
| | --- | --- | --- | --- | --- | --- | --- | 6,272 | --- | --- | --- | 11,056 | |
| | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 0 | 8 | |
| Data Proc | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 31,750 | |
| | --- | 18,000 | --- | 35,000 | --- | --- | --- | 28,000 | --- | --- | --- | 23,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 19,000 | |
| | --- | 18,000 | --- | 35,000 | --- | --- | --- | 28,000 | --- | --- | --- | 25,250 | |
| | --- | 2,828 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8,770 | |
| | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | |
| Consulting | --- | --- | --- | 31,725 | --- | --- | --- | --- | --- | --- | --- | 40,000 | |
| | --- | 17,020 | 26,225 | 31,250 | 40,000 | 30,000 | 40,000 | 30,000 | 51,900 | --- | --- | 30,500 | |
| | --- | --- | --- | 28,750 | --- | --- | --- | --- | --- | --- | --- | 27,000 | |
| | --- | 17,020 | 26,225 | 30,575 | 40,000 | 30,000 | 40,000 | 30,000 | 51,900 | --- | --- | 32,328 | |
| | --- | 2,517 | 3,147 | 1,743 | --- | --- | --- | --- | 6,223 | --- | --- | 10,795 | |
| | 0 | 2 | 2 | 4 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 14 | |
| Other | --- | --- | 29,250 | 34,750 | 48,000 | --- | --- | 43,000 | --- | 54,000 | --- | 36,250 | |
| | --- | 26,400 | 27,500 | 32,348 | 27,000 | 35,000 | --- | 57,500 | --- | 46,840 | --- | 30,348 | |
| | --- | --- | 22,000 | 21,549 | 12,000 | --- | --- | 25,750 | --- | 31,000 | --- | 26,500 | |
| | --- | 26,400 | 25,000 | 29,549 | 31,333 | 35,000 | --- | 34,750 | --- | 45,947 | --- | 31,565 | |
| | --- | --- | 7,483 | 7,592 | 14,978 | --- | --- | 10,500 | --- | 11,770 | --- | 10,513 | |
| | 0 | 1 | 6 | 4 | 3 | 1 | 0 | 4 | 0 | 3 | 0 | 22 | |
| No Response | 30,000 | 25,500 | 27,450 | 40,000 | 42,000 | 43,600 | 45,000 | 44,500 | 54,250 | 70,000 | --- | 41,743 | |
| | 26,000 | 22,714 | 26,325 | 21,500 | 35,000 | 34,500 | 36,000 | 37,950 | 39,000 | 48,950 | --- | 32,000 | |
| | 17,500 | 20,000 | 23,500 | 13,500 | 25,000 | 28,206 | 30,000 | 35,250 | 31,630 | 39,572 | --- | 25,000 | |
| | 24,500 | 24,961 | 25,752 | 30,761 | 32,671 | 36,171 | 38,090 | 42,515 | 44,352 | 55,535 | --- | 35,716 | |
| | 6,384 | 7,885 | 3,147 | 10,516 | 11,287 | 9,502 | 12,201 | 19,386 | 19,426 | 23,476 | --- | 15,943 | |
| | 5 | 12 | 14 | 14 | 7 | 6 | 15 | 22 | 10 | 6 | 0 | 109 | |
| TOTAL | 22,950 | 24,000 | 29,000 | 35,000 | 40,000 | 43,000 | 47,000 | 49,000 | 55,125 | 48,000 | --- | 40,000 | |
| | 21,000 | 22,000 | 26,000 | 30,000 | 34,560 | 36,850 | 37,500 | 40,000 | 45,400 | 40,000 | 22,688 | 30,600 | |
| | 18,000 | 19,200 | 22,850 | 25,000 | 28,800 | 30,250 | 32,500 | 33,000 | 36,000 | 34,000 | --- | 24,554 | |
| | 21,142 | 21,954 | 26,034 | 30,745 | 34,995 | 38,059 | 40,865 | 41,925 | 43,084 | 42,155 | 22,688 | 33,538 | |
| | 5,735 | 4,375 | 5,221 | 9,046 | 9,795 | 9,720 | 12,972 | 13,669 | 17,425 | 13,986 | 724 | 13,113 | |
| | 29 | 199 | 248 | 181 | 115 | 116 | 105 | 219 | 82 | 67 | 2 | 1,561 | |

TABLE-3.4.3

SALARIES of B.S. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY - WOMEN Only
by WORK FUNCTION and YEARS SINCE BS
1982 Survey of ACS Members

| WORK FUNCTION | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL | |
| Mgt- R&D | --- | --- | 25,425 | --- | --- | --- | --- | --- | --- | --- | --- | 39,250 | - 75th %-ile |
| | 18,500 | --- | 25,100 | 30,180 | 37,350 | 43,000 | 35,000 | 53,000 | --- | --- | --- | 27,180 | - Median |
| | --- | --- | 22,750 | --- | --- | --- | --- | --- | --- | --- | --- | 24,250 | - 25th %-ile |
| | 18,500 | --- | 24,425 | 30,180 | 37,350 | 43,000 | 35,000 | 53,000 | --- | --- | --- | 31,126 | - Mean |
| | 4,950 | --- | 1,630 | 3,988 | 919 | --- | 11,314 | --- | --- | --- | --- | 10,394 | - Std Dev |
| | 2 | 0 | 4 | 2 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 14 | - Count |
| Basic | 21,000 | 23,000 | 27,750 | --- | --- | --- | --- | --- | --- | --- | --- | 23,000 | |
| research | 20,000 | 20,220 | 20,900 | 25,000 | 42,000 | --- | --- | --- | --- | --- | --- | 20,500 | |
| | 18,700 | 19,400 | 17,500 | --- | --- | --- | --- | --- | --- | --- | --- | 19,400 | |
| | 19,698 | 20,630 | 22,467 | 25,000 | 42,000 | --- | --- | --- | --- | --- | --- | 21,261 | |
| | 1,978 | 3,380 | 6,171 | --- | --- | --- | --- | --- | --- | --- | --- | 4,863 | |
| | 11 | 23 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | |
| Applied R&D | 22,000 | 22,931 | 27,625 | 27,650 | 37,700 | --- | 36,838 | --- | --- | --- | --- | 26,900 | |
| | 21,600 | 20,750 | 24,825 | 24,070 | 32,220 | 34,950 | 32,000 | 35,000 | 41,600 | 45,000 | --- | 22,758 | |
| | 18,300 | 18,775 | 20,875 | 22,958 | 27,500 | --- | 24,600 | --- | --- | --- | --- | 20,000 | |
| | 21,186 | 20,852 | 24,743 | 24,882 | 32,524 | 34,950 | 31,165 | 35,000 | 41,600 | 45,000 | --- | 24,159 | |
| | 4,199 | 3,091 | 4,699 | 2,325 | 5,582 | 71 | 6,187 | --- | --- | --- | --- | 6,065 | |
| | 7 | 40 | 26 | 6 | 5 | 2 | 5 | 1 | 1 | 1 | 0 | 92 | |
| Mgt | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 44,375 | |
| Non-R&D | --- | 29,600 | 29,400 | 21,000 | 37,500 | 31,000 | --- | 56,000 | 57,750 | 37,236 | --- | 36,118 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 29,550 | |
| | --- | 29,600 | 29,400 | 21,000 | 37,500 | 31,000 | --- | 56,000 | 57,750 | 37,236 | --- | 39,474 | |
| | --- | --- | --- | --- | 3,536 | --- | --- | --- | 24,395 | --- | --- | 15,541 | |
| | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 0 | 10 | |
| Marketing | --- | 22,080 | 29,700 | 31,800 | --- | --- | --- | --- | --- | --- | --- | 30,000 | |
| | --- | 17,100 | 27,024 | 31,000 | 27,500 | 16,500 | 40,000 | --- | --- | --- | --- | 25,000 | |
| | --- | 13,550 | 23,125 | 30,000 | --- | --- | --- | --- | --- | --- | --- | 19,100 | |
| | --- | 17,455 | 26,544 | 30,935 | 27,500 | 16,500 | 40,000 | --- | --- | --- | --- | 24,505 | |
| | --- | 4,588 | 3,198 | 902 | --- | 6,364 | --- | --- | --- | --- | --- | 7,249 | |
| | 0 | 6 | 8 | 5 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 21 | |
| Prod & QC | 23,825 | 24,950 | 25,663 | 25,200 | 35,000 | 33,375 | --- | --- | --- | --- | --- | 25,100 | |
| | 19,900 | 21,000 | 22,950 | 24,300 | 28,500 | 21,750 | --- | 21,977 | --- | --- | --- | 22,000 | |
| | 17,325 | 18,900 | 19,608 | 22,225 | 25,000 | 18,300 | --- | --- | --- | --- | --- | 19,600 | |
| | 20,350 | 21,699 | 22,089 | 23,894 | 29,500 | 24,475 | --- | 21,977 | --- | --- | --- | 22,587 | |
| | 3,550 | 3,189 | 4,213 | 3,967 | 5,074 | 8,620 | --- | --- | --- | --- | --- | 4,379 | |
| | 4 | 25 | 14 | 8 | 3 | 4 | 0 | 1 | 0 | 0 | 0 | 59 | |
| Forsenic | --- | 24,500 | 33,000 | 26,388 | --- | --- | --- | --- | --- | --- | --- | 27,600 | |
| | --- | 19,400 | 28,800 | 22,000 | --- | 38,340 | --- | --- | --- | --- | --- | 22,000 | |
| | --- | 17,750 | 17,000 | 18,000 | --- | --- | --- | --- | --- | --- | --- | 18,000 | |
| | --- | 20,684 | 26,267 | 22,129 | --- | 38,340 | --- | --- | --- | --- | --- | 24,002 | |
| | --- | 3,616 | 8,295 | 4,195 | --- | 5,685 | --- | --- | --- | --- | --- | 7,271 | |
| | 0 | 9 | 3 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 17 | |
| Writing/ | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 30,540 | |
| Editing | 25,000 | 18,500 | 27,420 | 22,400 | 37,586 | 30,540 | 25,500 | 21,060 | 22,000 | --- | --- | 25,500 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 22,000 | |
| | 25,000 | 18,500 | 27,420 | 22,400 | 37,586 | 30,540 | 25,500 | 21,060 | 22,000 | --- | --- | 26,819 | |
| | --- | --- | 2,376 | --- | 3,414 | --- | --- | --- | --- | --- | --- | 6,433 | |
| | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 11 | |
| Data Proc | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Consulting | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | 23,000 | --- | 35,000 | --- | --- | --- | --- | --- | --- | --- | 29,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | 23,000 | --- | 35,000 | --- | --- | --- | --- | --- | --- | --- | 29,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8,485 | |
| | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| Other | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 29,500 | |
| | 24,900 | 22,000 | 23,500 | --- | --- | --- | --- | 34,000 | --- | 29,500 | --- | 24,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 25,000 | |
| | 24,900 | 22,000 | 23,500 | --- | --- | --- | --- | 34,000 | --- | 29,500 | --- | 27,343 | |
| | --- | --- | 707 | --- | --- | --- | --- | 14,142 | --- | --- | --- | 7,723 | |
| | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 7 | |
| No Response | --- | 22,750 | 29,475 | --- | --- | --- | --- | --- | --- | --- | --- | 28,300 | |
| | 23,000 | 19,000 | 25,250 | 23,000 | 35,750 | 55,000 | --- | 16,500 | 49,800 | --- | --- | 24,200 | |
| | --- | 16,700 | 16,150 | --- | --- | --- | --- | --- | --- | --- | --- | 17,100 | |
| | 23,000 | 19,600 | 25,967 | 23,000 | 35,750 | 55,000 | --- | 16,500 | 49,800 | --- | --- | 25,537 | |
| | --- | 3,426 | 6,796 | --- | 16,354 | --- | --- | --- | --- | --- | --- | 9,899 | |
| | 1 | 6 | 6 | 1 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 19 | |
| TOTAL | 22,000 | 23,126 | 27,575 | 28,000 | 39,700 | 39,500 | 40,000 | 50,750 | 62,400 | 45,000 | --- | 27,000 | |
| | 20,500 | 20,460 | 25,000 | 25,000 | 35,086 | 32,660 | 32,000 | 29,500 | 41,600 | 37,236 | --- | 23,000 | |
| | 18,700 | 18,800 | 21,000 | 22,750 | 28,250 | 21,000 | 25,500 | 21,289 | 31,250 | 29,500 | --- | 20,000 | |
| | 20,693 | 20,820 | 24,523 | 25,607 | 34,277 | 29,787 | 32,715 | 33,942 | 45,780 | 37,245 | --- | 24,581 | |
| | 5,250 | 5,437 | 4,778 | 4,410 | 6,483 | 9,467 | 7,586 | 15,419 | 19,241 | 7,750 | --- | 7,669 | |
| | 27 | 113 | 72 | 27 | 18 | 14 | 7 | 8 | 5 | 5 | 0 | 294 | |

TABLE-3.4.4

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME in PRIVATE INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
1982 Survey of ACS Members

| WORK FUNCTION | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
| Mgt= R&D | --- | --- | 38,000 | 44,400 | 55,000 | 56,000 | 59,636 | 64,000 | 42,000 | 70,250 | 48,000 | 53,250 | - 75th %-ile |
| | --- | 24,700 | 30,000 | 36,500 | 40,000 | 46,212 | 44,700 | 47,000 | 40,000 | 53,400 | 39,200 | 42,800 | - Median |
| | --- | --- | 27,420 | 32,175 | 32,000 | 39,000 | 41,500 | 41,750 | 38,500 | 42,500 | 32,000 | 36,000 | - 25th %-ile |
| | --- | 24,700 | 32,955 | 37,533 | 45,355 | 47,475 | 49,530 | 52,894 | 41,382 | 55,275 | 40,194 | 45,746 | - Mean |
| | --- | 6,930 | 6,897 | 8,598 | 21,223 | 16,906 | 12,260 | 14,906 | 5,445 | 14,323 | 9,377 | 15,101 | - Std Dev |
| | 0 | 2 | 7 | 12 | 11 | 21 | 9 | 29 | 7 | 8 | 16 | 122 | - Count |
| Basic research | --- | 25,250 | 27,900 | 34,000 | 36,875 | 42,000 | 41,450 | 53,000 | --- | 60,000 | 34,600 | 35,000 | |
| | --- | 20,350 | 25,000 | 30,800 | 35,250 | 34,000 | 36,000 | 42,750 | 51,780 | 55,000 | 28,920 | 29,600 | |
| | --- | 18,250 | 22,250 | 28,100 | 32,900 | 29,600 | 31,000 | 28,025 | --- | 40,000 | 22,500 | 24,900 | |
| | --- | 21,117 | 25,244 | 31,191 | 34,905 | 34,071 | 36,150 | 42,100 | 51,780 | 51,667 | 29,088 | 30,969 | |
| | --- | 3,832 | 4,193 | 4,113 | 3,029 | 6,769 | 5,400 | 13,708 | --- | 10,408 | 6,406 | 8,980 | |
| | 0 | 6 | 25 | 13 | 9 | 7 | 4 | 6 | 1 | 3 | 15 | 89 | |
| Applied R&D | --- | 25,800 | 30,000 | 33,113 | 38,000 | 40,375 | 46,320 | 42,875 | 45,146 | 45,000 | 40,000 | 39,000 | |
| | --- | 24,576 | 25,200 | 29,550 | 33,000 | 32,986 | 41,008 | 37,940 | 36,400 | 41,040 | 31,000 | 31,668 | |
| | --- | 23,400 | 23,000 | 26,000 | 29,100 | 30,000 | 38,735 | 33,250 | 27,125 | 35,500 | 27,375 | 26,380 | |
| | --- | 24,366 | 26,129 | 29,674 | 33,756 | 34,965 | 41,843 | 38,654 | 37,427 | 41,709 | 34,068 | 33,226 | |
| | --- | 2,149 | 4,665 | 5,531 | 7,405 | 7,553 | 7,490 | 8,409 | 10,727 | 8,721 | 10,535 | 9,100 | |
| | 0 | 17 | 71 | 70 | 41 | 24 | 29 | 56 | 18 | 21 | 58 | 385 | |
| Mgt Non-R&D | --- | --- | --- | 42,500 | 62,000 | 61,645 | 50,625 | 62,500 | 70,000 | 78,750 | 41,913 | 51,000 | |
| | --- | 33,400 | 27,850 | 35,000 | 41,000 | 40,000 | 49,350 | 49,440 | 48,000 | 68,500 | 37,500 | 43,400 | |
| | --- | --- | --- | 29,200 | 36,000 | 34,400 | 43,002 | 42,500 | 32,825 | 49,250 | 30,250 | 36,000 | |
| | --- | 33,400 | 27,850 | 36,636 | 47,311 | 46,418 | 51,137 | 51,701 | 51,350 | 65,500 | 35,758 | 46,830 | |
| | --- | --- | 4,031 | 8,128 | 16,616 | 19,560 | 14,208 | 11,604 | 20,931 | 15,651 | 10,874 | 15,487 | |
| | 0 | 1 | 2 | 11 | 9 | 5 | 10 | 17 | 6 | 4 | 6 | 71 | |
| Marketing | --- | --- | 34,000 | 46,750 | 46,425 | 47,500 | 49,500 | 45,000 | 58,750 | 80,000 | 46,750 | 45,500 | |
| | --- | 22,250 | 31,000 | 38,500 | 32,500 | 41,750 | 48,000 | 38,600 | 38,600 | 47,000 | 34,000 | 36,600 | |
| | --- | --- | 28,750 | 30,500 | 29,660 | 35,750 | 43,000 | 34,000 | 36,500 | 40,000 | 25,750 | 30,750 | |
| | --- | 22,250 | 30,864 | 38,288 | 37,834 | 42,083 | 46,444 | 40,518 | 44,550 | 55,667 | 36,250 | 38,785 | |
| | --- | 1,768 | 4,232 | 9,305 | 15,239 | 6,344 | 4,035 | 11,554 | 15,736 | 21,362 | 12,189 | 11,344 | |
| | 0 | 2 | 14 | 16 | 10 | 6 | 9 | 17 | 4 | 3 | 12 | 93 | |
| Prod & QC | --- | 30,000 | 27,800 | 35,000 | 40,188 | 36,000 | 40,050 | 45,500 | 34,000 | --- | 40,750 | 36,000 | |
| | --- | 26,000 | 26,400 | 30,000 | 33,050 | 30,046 | 35,000 | 41,000 | 33,000 | 31,000 | 33,590 | 30,225 | |
| | --- | 20,000 | 23,150 | 26,000 | 31,250 | 26,000 | 30,875 | 29,700 | 25,454 | --- | 26,250 | 26,000 | |
| | --- | 25,335 | 25,909 | 29,701 | 36,301 | 31,221 | 36,273 | 38,983 | 30,818 | 31,000 | 33,460 | 31,756 | |
| | --- | 5,033 | 4,049 | 6,846 | 7,943 | 7,027 | 10,658 | 11,510 | 5,118 | 1,414 | 7,098 | 8,580 | |
| | 0 | 3 | 25 | 27 | 14 | 7 | 13 | 13 | 4 | 2 | 8 | 116 | |
| Forsenic | --- | --- | 30,000 | 36,400 | --- | --- | --- | --- | 32,250 | --- | 35,125 | 37,375 | |
| | --- | --- | 26,000 | 28,000 | 38,000 | 30,000 | 32,000 | 44,250 | 33,500 | --- | 25,750 | 29,000 | |
| | --- | --- | 20,400 | 25,300 | --- | --- | --- | --- | 24,525 | --- | 21,750 | 24,000 | |
| | --- | --- | 25,336 | 30,129 | 38,000 | 30,000 | 32,000 | 44,250 | 32,425 | --- | 26,875 | 30,084 | |
| | --- | --- | 6,995 | 7,340 | 0 | --- | --- | 9,546 | 7,719 | --- | 6,033 | 8,113 | |
| | 0 | 0 | 11 | 11 | 2 | 1 | 1 | 2 | 4 | 0 | 4 | 56 | |
| Writing/ Editing | --- | --- | --- | --- | 41,000 | 36,875 | --- | --- | --- | --- | 31,000 | 37,720 | |
| | --- | --- | 19,791 | 19,000 | 38,000 | 26,250 | 25,900 | 31,500 | 37,440 | --- | 22,000 | 25,900 | |
| | --- | --- | --- | --- | 28,500 | 20,716 | --- | --- | --- | --- | 21,000 | 21,450 | |
| | --- | --- | 19,791 | 19,000 | 35,833 | 27,947 | 25,900 | 31,500 | 37,440 | --- | 24,667 | 28,130 | |
| | --- | --- | 2,983 | --- | 6,526 | 8,740 | --- | 9,192 | --- | --- | 5,508 | 7,982 | |
| | 0 | 0 | 2 | 1 | 3 | 4 | 1 | 2 | 1 | 0 | 3 | 17 | |
| Data Proc | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 48,200 | 57,500 | |
| | --- | --- | 26,000 | --- | 28,000 | 32,000 | --- | 31,000 | --- | --- | 33,000 | 29,500 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20,400 | 25,250 | |
| | --- | --- | 26,000 | --- | 28,000 | 32,000 | --- | 31,000 | --- | --- | 33,867 | 31,525 | |
| | --- | --- | --- | --- | --- | 9,899 | --- | --- | --- | --- | 13,920 | 8,827 | |
| | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | | 3 | 8 | |
| Consulting | --- | --- | --- | 44,000 | --- | --- | --- | --- | --- | --- | --- | 36,500 | |
| | --- | --- | 23,500 | 31,000 | 27,250 | 41,000 | --- | 65,000 | 28,000 | 30,500 | 29,000 | 29,187 | |
| | --- | --- | --- | 29,187 | --- | --- | --- | --- | --- | --- | --- | 26,500 | |
| | --- | --- | 23,500 | 34,729 | 27,250 | 41,000 | --- | 65,000 | 28,000 | 30,500 | 29,000 | 32,907 | |
| | --- | --- | 3,818 | 8,080 | 354 | --- | --- | --- | --- | --- | 4,243 | 11,466 | |
| | 0 | 0 | 2 | 3 | 2 | 1 | 0 | 1 | 1 | 1 | 2 | 13 | |
| Other | --- | --- | 34,000 | 41,500 | 46,350 | --- | 60,000 | --- | --- | --- | --- | 37,000 | |
| | --- | --- | 26,500 | 30,000 | 30,000 | 33,440 | 32,000 | 32,000 | 30,360 | 55,000 | 25,800 | 30,360 | |
| | --- | --- | 21,600 | 26,000 | 25,500 | --- | 27,563 | --- | --- | --- | --- | 26,250 | |
| | --- | --- | 27,329 | 32,500 | 34,740 | 33,440 | 39,854 | 32,000 | 30,360 | 55,000 | 25,800 | 32,964 | |
| | --- | --- | 8,546 | 8,047 | 14,662 | 9,277 | 17,567 | 1,414 | --- | --- | --- | 11,257 | |
| | 0 | 0 | 7 | 5 | 5 | 2 | 5 | 2 | 1 | 1 | 1 | 25 | |
| No Response | --- | --- | 30,000 | 31,250 | 40,000 | 43,000 | 50,500 | 52,525 | --- | --- | 44,400 | 42,000 | |
| | --- | 21,500 | 25,500 | 27,150 | 32,000 | 36,000 | 43,000 | 46,375 | 51,500 | 57,600 | 35,000 | 32,000 | |
| | --- | --- | 25,000 | 21,900 | 31,000 | 32,500 | 37,692 | 39,000 | --- | --- | 24,000 | 26,500 | |
| | --- | 21,500 | 25,564 | 27,960 | 34,257 | 39,500 | 43,731 | 45,242 | 51,500 | 57,600 | 34,767 | 34,449 | |
| | --- | --- | 4,348 | 7,207 | 4,464 | 9,889 | 6,678 | 9,172 | 4,950 | 6,223 | 10,708 | 10,343 | |
| | 0 | 1 | 11 | 10 | 7 | 7 | 4 | 6 | 2 | 2 | 9 | 59 | |
| TOTAL | --- | 26,000 | 30,000 | 36,000 | 40,000 | 45,000 | 49,000 | 49,380 | 46,795 | 55,000 | 40,000 | 41,072 | |
| | --- | 24,250 | 26,200 | 30,000 | 34,500 | 36,000 | 41,808 | 41,000 | 37,440 | 43,000 | 32,000 | 33,000 | |
| | --- | 21,200 | 23,000 | 26,500 | 30,000 | 30,046 | 37,810 | 35,125 | 32,000 | 37,825 | 26,000 | 27,150 | |
| | --- | 25,929 | 26,495 | 31,539 | 36,745 | 38,696 | 42,943 | 45,478 | 39,861 | 47,218 | 33,941 | 35,630 | |
| | --- | 3,629 | 5,182 | 7,421 | 11,521 | 12,705 | 10,610 | 12,636 | 12,394 | 14,044 | 10,049 | 12,012 | |
| | 0 | 32 | 178 | 177 | 114 | 87 | 83 | 152 | 49 | 45 | 117 | 1,034 | |

TABLE-3.4.5

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY - MEN Only
by WORK FUNCTION and YEARS SINCE BS
1982 Survey of ACS Members

| WORK FUNCTION | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
| Mgt-R&D | --- | --- | 40,000 | 45,000 | 55,000 | 60,000 | 59,636 | 64,500 | 42,000 | 70,250 | 48,000 | 55,000 | - 75th %-ile |
| | --- | 29,600 | 31,250 | 37,000 | 40,000 | 46,212 | 44,700 | 49,000 | 40,000 | 53,400 | 43,000 | 44,000 | - Median |
| | --- | --- | 27,253 | 32,700 | 32,000 | 42,000 | 41,500 | 42,025 | 38,500 | 42,500 | 34,500 | 37,810 | - 25th %-ile |
| | --- | 29,600 | 33,445 | 38,675 | 45,355 | 48,041 | 49,530 | 53,301 | 41,382 | 55,275 | 42,300 | 46,790 | - Mean |
| | --- | --- | 7,420 | 8,012 | 21,223 | 17,488 | 12,260 | 15,015 | 5,445 | 14,525 | 9,069 | 15,016 | - Std Dev |
| | 0 | 1 | 6 | 11 | 11 | 19 | 9 | 28 | 7 | 8 | 13 | 113 | - Count |
| Basic research | --- | 25,500 | 29,550 | 33,000 | 36,813 | 42,500 | --- | 53,000 | --- | 60,000 | 34,900 | 35,625 | |
| | --- | 21,500 | 25,800 | 30,800 | 35,625 | 35,000 | 36,300 | 42,750 | 51,780 | 55,000 | 29,660 | 30,000 | |
| | --- | 17,600 | 23,750 | 29,200 | 34,700 | 27,450 | --- | 28,025 | --- | 40,000 | 22,500 | 25,250 | |
| | --- | 21,540 | 26,028 | 31,208 | 35,633 | 34,980 | 36,300 | 42,100 | 51,780 | 51,667 | 29,502 | 31,800 | |
| | --- | 4,124 | 4,341 | 5,886 | 1,197 | 7,918 | 8,910 | 13,708 | --- | 10,408 | 6,702 | 9,486 | |
| | 0 | 5 | 18 | 11 | 6 | 5 | 2 | 6 | 1 | 3 | 12 | 69 | |
| Applied R&D | --- | 25,900 | 29,800 | 33,450 | 38,025 | 40,875 | 47,200 | 43,100 | 45,146 | 45,000 | 40,100 | 40,000 | |
| | --- | 24,646 | 26,000 | 29,700 | 33,500 | 33,986 | 41,584 | 39,000 | 36,400 | 41,040 | 31,500 | 32,200 | |
| | --- | 23,200 | 21,650 | 25,740 | 29,275 | 30,000 | 39,198 | 33,500 | 27,125 | 35,500 | 28,500 | 27,588 | |
| | --- | 24,283 | 25,898 | 29,845 | 34,473 | 35,989 | 42,246 | 39,065 | 37,427 | 41,709 | 35,467 | 34,265 | |
| | --- | 2,483 | 4,477 | 5,796 | 6,733 | 7,557 | 7,779 | 8,233 | 10,727 | 8,721 | 10,368 | 9,194 | |
| | 0 | 12 | 45 | 59 | 38 | 20 | 26 | 53 | 18 | 21 | 33 | 325 | |
| Mgt Non-R&D | --- | --- | --- | 42,300 | 62,000 | 61,645 | 50,625 | 62,500 | 75,000 | 80,000 | 44,275 | 50,875 | |
| | --- | 33,400 | 27,850 | 35,000 | 41,000 | 40,000 | 49,330 | 49,440 | 48,000 | 75,000 | 39,000 | 43,700 | |
| | --- | --- | --- | 29,200 | 36,000 | 34,400 | 43,002 | 42,500 | 37,750 | 45,000 | 35,500 | 37,860 | |
| | --- | 33,400 | 27,850 | 36,636 | 47,311 | 46,418 | 51,137 | 51,701 | 54,700 | 66,667 | 39,710 | 47,240 | |
| | --- | --- | 4,031 | 8,122 | 16,616 | 19,560 | 14,208 | 11,604 | 21,528 | 18,950 | 5,540 | 15,185 | |
| | 0 | 1 | 2 | 11 | 9 | 5 | 10 | 17 | 5 | 3 | 5 | 68 | |
| Marketing | --- | --- | 32,375 | 48,000 | 46,425 | 47,500 | 49,500 | 45,000 | 58,750 | 80,000 | 50,000 | 47,000 | |
| | --- | 22,250 | 31,000 | 40,000 | 32,500 | 41,750 | 48,000 | 38,600 | 38,600 | 47,000 | 33,000 | 37,500 | |
| | --- | --- | 29,125 | 33,500 | 29,660 | 35,750 | 43,000 | 34,000 | 36,500 | 40,000 | 26,500 | 32,000 | |
| | --- | 22,250 | 30,300 | 40,585 | 37,834 | 42,083 | 46,444 | 40,518 | 44,550 | 55,667 | 37,111 | 39,662 | |
| | --- | 1,768 | 4,264 | 8,564 | 13,239 | 6,344 | 4,035 | 11,554 | 13,756 | 21,362 | 13,252 | 11,522 | |
| | 0 | 2 | 10 | 13 | 10 | 6 | 9 | 17 | 4 | 3 | 9 | 83 | |
| Prod & QC | --- | --- | 28,000 | 35,000 | 40,875 | 36,000 | 40,050 | 46,250 | 34,000 | --- | 40,750 | 37,125 | |
| | --- | 25,000 | 27,000 | 30,000 | 32,500 | 30,046 | 35,300 | 41,000 | 34,000 | 31,000 | 33,590 | 31,625 | |
| | --- | --- | 25,000 | 26,500 | 31,000 | 26,000 | 30,875 | 31,770 | 32,000 | --- | 26,250 | 27,000 | |
| | --- | 25,000 | 26,987 | 30,353 | 36,181 | 31,221 | 36,273 | 40,565 | 33,333 | 31,000 | 33,460 | 32,725 | |
| | --- | 7,071 | 3,662 | 6,238 | 8,255 | 7,027 | 10,658 | 10,201 | 1,155 | 1,414 | 7,098 | 8,377 | |
| | 0 | 2 | 19 | 25 | 13 | 7 | 13 | 12 | 3 | 2 | 8 | 102 | |
| Forsenic | --- | --- | 29,500 | 37,740 | --- | --- | --- | --- | 40,000 | --- | 33,125 | 37,935 | |
| | --- | --- | 27,000 | 30,000 | 38,000 | 30,000 | 39,000 | 44,250 | 37,000 | --- | 25,750 | 30,000 | |
| | --- | --- | 23,250 | 25,300 | --- | --- | --- | --- | 30,000 | --- | 21,750 | 25,475 | |
| | --- | --- | 26,750 | 31,206 | 38,000 | 30,000 | 39,000 | 44,250 | 35,667 | --- | 26,875 | 31,444 | |
| | --- | --- | 7,066 | 8,134 | 0 | --- | --- | 9,546 | 5,132 | --- | 6,033 | 8,134 | |
| | 0 | 0 | 8 | 7 | 2 | 1 | 1 | 2 | 3 | 0 | 4 | 28 | |
| Writing/ Editing | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 38,500 | |
| | --- | --- | 21,900 | 19,000 | 38,000 | 40,000 | --- | --- | --- | --- | 26,500 | 26,500 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21,175 | |
| | --- | --- | 21,900 | 19,000 | 38,000 | 40,000 | --- | --- | --- | --- | 26,500 | 28,650 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 6,364 | 8,996 | |
| | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 6 | |
| Data Proc | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 31,000 | |
| | --- | --- | 26,000 | --- | 28,000 | --- | --- | 31,000 | --- | --- | --- | 28,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 26,000 | |
| | --- | --- | 26,000 | --- | 28,000 | --- | --- | 31,000 | --- | --- | --- | 28,333 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 2,517 | |
| | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | |
| Consulting | --- | --- | --- | 44,000 | --- | --- | --- | --- | --- | --- | --- | 31,750 | |
| | --- | --- | 23,300 | 31,000 | 27,250 | --- | --- | 65,000 | 28,000 | 30,500 | 29,000 | 28,594 | |
| | --- | --- | --- | 29,187 | --- | --- | --- | --- | --- | --- | --- | 26,250 | |
| | --- | --- | 23,300 | 34,729 | 27,250 | --- | --- | 65,000 | 28,000 | 30,500 | 29,000 | 32,232 | |
| | --- | --- | 3,818 | 8,080 | 354 | --- | --- | --- | --- | --- | 4,243 | 11,704 | |
| | 0 | 0 | 2 | 3 | 2 | 0 | 0 | 1 | 1 | 1 | 2 | 12 | |
| Other | --- | --- | 35,500 | 41,500 | 55,175 | --- | 60,000 | --- | --- | --- | --- | 40,000 | |
| | --- | --- | 26,500 | 30,000 | 31,350 | 40,000 | 52,000 | 32,000 | 30,360 | 55,000 | --- | 31,000 | |
| | --- | --- | 22,300 | 26,000 | 24,000 | --- | 27,563 | --- | --- | --- | --- | 26,766 | |
| | --- | --- | 28,420 | 32,500 | 36,175 | 40,000 | 39,854 | 32,000 | 30,360 | 55,000 | --- | 34,661 | |
| | --- | --- | 7,422 | 8,047 | 16,520 | --- | 17,587 | 1,414 | --- | --- | --- | 11,614 | |
| | 0 | 0 | 5 | 3 | 4 | 1 | 3 | 2 | 1 | 1 | 0 | 20 | |
| No Response | --- | --- | 29,500 | 31,750 | 40,000 | 43,000 | 52,000 | 52,525 | --- | --- | 44,400 | 42,000 | |
| | --- | 21,500 | 23,000 | 28,650 | 32,000 | 36,000 | 46,000 | 46,375 | 51,500 | 42,000 | 35,000 | 32,000 | |
| | --- | --- | 23,000 | 21,300 | 31,000 | 32,500 | 40,000 | 39,000 | --- | --- | 24,000 | 26,900 | |
| | --- | 21,500 | 24,833 | 28,638 | 34,257 | 39,300 | 46,000 | 45,242 | 51,500 | 42,000 | 34,767 | 35,025 | |
| | --- | --- | 4,541 | 7,955 | 4,464 | 9,889 | 6,000 | 9,172 | 4,950 | --- | 10,708 | 10,656 | |
| | 0 | 1 | 9 | 8 | 7 | 7 | 3 | 6 | 2 | 1 | 9 | 53 | |
| TOTAL | --- | 26,000 | 30,000 | 36,000 | 40,000 | 43,900 | 49,750 | 50,000 | 43,000 | 55,000 | 40,600 | 42,525 | |
| | --- | 24,250 | 26,600 | 30,850 | 35,000 | 40,000 | 42,300 | 42,000 | 38,500 | 45,000 | 33,000 | 35,000 | |
| | --- | 21,200 | 23,250 | 26,835 | 30,525 | 32,000 | 38,625 | 35,690 | 33,000 | 38,000 | 27,950 | 28,000 | |
| | --- | 24,087 | 26,827 | 32,177 | 37,290 | 40,218 | 43,608 | 44,068 | 40,782 | 47,200 | 35,113 | 36,886 | |
| | --- | 3,924 | 5,043 | 7,574 | 11,678 | 12,971 | 10,761 | 12,499 | 12,369 | 14,027 | 9,999 | 12,201 | |
| | 0 | 24 | 126 | 150 | 104 | 72 | 76 | 145 | 45 | 43 | 97 | 882 | |

TABLE-3.4.6

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY - WOMEN Only
by WORK FUNCTION and YEARS SINCE BS
1982 Survey of ACS Members

| WORK FUNCTION | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
| Mgt- R&D | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 34,000 | 37,750 | - 75th %-tile |
| | --- | 19,800 | 30,000 | 25,000 | --- | 42,100 | --- | 41,500 | --- | --- | 32,000 | 32,000 | - Median |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 27,200 | 26,100 | - 25th %-tile |
| | --- | 19,800 | 30,000 | 25,000 | --- | 42,100 | --- | 41,500 | --- | --- | 31,067 | 32,655 | - Mean |
| | --- | --- | --- | --- | --- | 12,162 | --- | --- | --- | --- | 3,495 | 9,134 | - Std Dev |
| | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 3 | 9 | - Count |
| Basic | --- | --- | 25,000 | --- | 39,348 | --- | --- | --- | --- | --- | 34,000 | 34,000 | |
| research | --- | 19,000 | 22,500 | 31,100 | 52,000 | 31,800 | 38,000 | --- | --- | --- | 25,800 | 26,000 | |
| | --- | --- | 22,000 | --- | 29,000 | --- | --- | --- | --- | --- | 22,500 | 22,500 | |
| | --- | 19,000 | 23,229 | 31,100 | 33,449 | 31,800 | 38,000 | --- | --- | --- | 27,455 | 27,792 | |
| | --- | --- | 3,220 | 7,212 | 5,324 | 5,111 | --- | --- | --- | --- | 5,921 | 6,561 | |
| | 0 | 1 | 7 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 3 | 19 | |
| Applied R&D | --- | 25,650 | 30,500 | 31,650 | 35,000 | 35,250 | 40,300 | --- | --- | --- | 31,250 | 31,926 | |
| | --- | 24,576 | 24,950 | 27,890 | 29,000 | 32,000 | 40,000 | 28,000 | --- | --- | 22,500 | 26,180 | |
| | --- | 23,500 | 25,000 | 26,100 | 12,000 | 22,300 | 34,900 | --- | --- | --- | 19,600 | 23,000 | |
| | --- | 24,567 | 26,294 | 28,758 | 24,667 | 29,850 | 38,400 | 23,000 | --- | --- | 24,840 | 27,333 | |
| | --- | 1,207 | 4,996 | 3,895 | 11,150 | 7,265 | 5,035 | 11,314 | --- | --- | 6,650 | 5,952 | |
| | 0 | 5 | 25 | 11 | 3 | 4 | 3 | 2 | 0 | 0 | 5 | 58 | |
| Mgt | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| Non-R&D | --- | --- | --- | --- | --- | --- | --- | --- | 34,600 | 62,000 | --- | 48,300 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | 34,600 | 62,000 | --- | 48,300 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 19,375 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | |
| Marketing | --- | --- | 36,325 | 34,000 | --- | --- | --- | --- | --- | --- | 43,000 | 35,775 | |
| | --- | --- | 32,250 | 27,000 | --- | --- | --- | --- | --- | --- | 35,000 | 31,500 | |
| | --- | --- | 28,250 | 24,000 | --- | --- | --- | --- | --- | --- | 23,000 | 26,250 | |
| | --- | --- | 32,275 | 28,335 | --- | --- | --- | --- | --- | --- | 33,667 | 31,510 | |
| | --- | --- | 4,401 | 5,132 | --- | --- | --- | --- | --- | --- | 10,066 | 6,325 | |
| | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | |
| Prod & QC | --- | --- | 24,531 | 34,500 | --- | --- | --- | --- | --- | --- | --- | 28,668 | |
| | --- | 26,000 | 22,220 | 27,600 | 37,860 | --- | --- | 20,000 | 23,272 | --- | --- | 25,286 | |
| | --- | --- | 20,250 | 15,750 | --- | --- | --- | --- | --- | --- | --- | 20,750 | |
| | --- | 26,000 | 22,494 | 25,950 | 37,860 | --- | --- | 20,000 | 23,272 | --- | --- | 24,707 | |
| | --- | --- | 3,385 | 9,936 | --- | --- | --- | --- | --- | --- | --- | 6,725 | |
| | 0 | 1 | 6 | 4 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 14 | |
| Forsenic | --- | --- | 30,000 | 34,250 | --- | --- | --- | --- | --- | --- | --- | 29,450 | |
| | --- | --- | 20,400 | 27,790 | --- | --- | --- | --- | 22,700 | --- | --- | 25,240 | |
| | --- | --- | 16,500 | 22,695 | --- | --- | --- | --- | --- | --- | --- | 20,550 | |
| | --- | --- | 22,300 | 28,245 | --- | --- | --- | --- | 22,700 | --- | --- | 25,323 | |
| | --- | --- | 6,948 | 6,509 | --- | --- | --- | --- | --- | --- | --- | 6,574 | |
| | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | |
| Writing/ | --- | --- | --- | --- | --- | 27,500 | --- | --- | --- | --- | --- | 37,440 | |
| Editing | --- | --- | 17,682 | --- | 34,750 | 25,000 | 25,900 | 31,500 | 37,440 | --- | 21,000 | 25,900 | |
| | --- | --- | --- | --- | --- | 19,288 | --- | --- | --- | --- | --- | 21,000 | |
| | --- | --- | 17,682 | --- | 34,750 | 23,929 | 25,900 | 31,500 | 37,440 | --- | 21,000 | 27,846 | |
| | --- | --- | --- | --- | 3,839 | 4,209 | --- | 9,192 | --- | --- | --- | 7,824 | |
| | 0 | 0 | 1 | 0 | 2 | 3 | 1 | 2 | 1 | 0 | 1 | 11 | |
| Data Proc | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 43,200 | 45,900 | |
| | --- | --- | --- | --- | --- | 39,000 | --- | --- | --- | --- | 35,000 | 36,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20,400 | 23,550 | |
| | --- | --- | --- | --- | --- | 39,000 | --- | --- | --- | --- | 33,867 | 35,150 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 13,920 | 11,652 | |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 4 | |
| Consulting | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | 41,000 | --- | --- | --- | --- | --- | 41,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | 41,000 | --- | --- | --- | --- | --- | 41,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | |
| Other | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 31,500 | |
| | --- | --- | 24,600 | --- | 29,000 | 26,880 | --- | --- | --- | --- | 25,800 | 26,880 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20,500 | |
| | --- | --- | 24,600 | --- | 29,000 | 26,880 | --- | --- | --- | --- | 25,800 | 26,176 | |
| | --- | --- | 13,294 | --- | --- | --- | --- | --- | --- | --- | --- | 6,897 | |
| | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 35,062 | |
| | --- | --- | 27,750 | 27,000 | --- | --- | 36,923 | --- | --- | 33,200 | --- | 30,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 26,250 | |
| | --- | --- | 27,750 | 27,000 | --- | --- | 36,923 | --- | --- | 33,200 | --- | 30,525 | |
| | --- | --- | 3,182 | --- | --- | --- | --- | --- | --- | --- | --- | 4,638 | |
| | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 5 | |
| TOTAL | --- | 25,750 | 30,000 | 32,238 | 38,232 | 36,750 | 40,075 | 38,875 | 36,750 | --- | 34,000 | 34,000 | |
| | --- | 24,288 | 24,800 | 27,640 | 30,500 | 32,000 | 37,462 | 30,500 | 28,936 | 47,600 | 27,400 | 27,350 | |
| | --- | 20,600 | 21,960 | 25,800 | 28,875 | 26,410 | 32,650 | 20,000 | 22,843 | --- | 22,500 | 25,000 | |
| | --- | 23,455 | 25,555 | 28,166 | 31,071 | 31,848 | 36,004 | 30,083 | 29,503 | 47,600 | 28,900 | 28,347 | |
| | --- | 2,718 | 5,429 | 5,382 | 8,171 | 8,436 | 5,340 | 9,563 | 7,618 | 20,365 | 8,089 | 7,474 | |
| | 0 | 8 | 51 | 26 | 10 | 14 | 6 | 6 | 4 | 2 | 19 | 146 | |

TABLE-3.4.7

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME in PRIVATE INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
1982 Survey of ACS Members

| WORK FUNCTION | YEARS SINCE BS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
| Mgt-R&D | --- | --- | 37,800 | 47,000 | 52,350 | 60,000 | 67,300 | 68,825 | 70,000 | 75,246 | 65,000 | 62,000 | - 75th %-ile |
| | --- | 60,000 | 34,000 | 43,000 | 46,000 | 53,000 | 59,300 | 60,500 | 51,000 | 62,950 | 50,000 | 51,000 | - Median |
| | --- | --- | 32,500 | 38,500 | 40,000 | 46,000 | 49,000 | 50,000 | 45,800 | 54,000 | 42,820 | 45,050 | - 25th %-ile |
| | --- | 60,000 | 34,736 | 43,221 | 47,458 | 54,998 | 58,220 | 60,502 | 56,924 | 64,885 | 55,461 | 55,699 | - Mean |
| | --- | --- | 3,775 | 6,999 | 9,[illegible]7 | 13,124 | 14,533 | 15,012 | 16,916 | 16,635 | 14,907 | 14,865 | - Std Dev |
| | 0 | 1 | 11 | 67 | 110 | 103 | 75 | 88 | 34 | 38 | 65 | 592 | - Count |
| Basic research | --- | --- | 35,925 | 40,000 | 47,050 | 53,175 | 60,000 | 55,000 | 56,000 | 75,000 | 48,000 | 46,000 | |
| | --- | 31,000 | 33,000 | 36,000 | 41,000 | 46,210 | 51,000 | 49,000 | 42,525 | 51,800 | 37,000 | 38,000 | |
| | --- | --- | 31,600 | 32,913 | 36,758 | 40,500 | 41,000 | 41,600 | 40,265 | 41,700 | 34,100 | 34,500 | |
| | --- | 31,000 | 33,566 | 36,773 | 42,352 | 46,611 | 51,271 | 49,430 | 46,265 | 58,292 | 40,570 | 40,911 | |
| | --- | --- | 3,376 | 5,745 | 8,158 | 8,950 | 11,108 | 8,981 | 9,314 | 17,309 | 9,916 | 9,981 | |
| | 0 | 1 | 70 | 98 | 60 | 42 | 23 | 24 | 4 | 9 | 49 | 380 | |
| Applied R&D | --- | --- | 34,850 | 39,025 | 45,275 | 48,375 | 52,000 | 55,269 | 51,000 | 56,400 | 47,200 | 45,500 | |
| | --- | 20,000 | 32,510 | 35,000 | 38,700 | 43,780 | 45,600 | 43,000 | 45,100 | 49,000 | 37,900 | 38,650 | |
| | --- | --- | 30,265 | 31,575 | 35,000 | 38,050 | 40,000 | 41,825 | 38,400 | 41,000 | 32,789 | 35,375 | |
| | --- | 20,000 | 32,746 | 35,500 | 39,379 | 44,088 | 47,011 | 48,426 | 46,914 | 49,652 | 40,866 | 40,524 | |
| | --- | --- | 3,570 | 5,755 | 6,494 | 8,666 | 9,193 | 11,155 | 12,220 | 11,359 | 10,727 | 9,855 | |
| | 0 | 1 | 142 | 182 | 158 | 112 | 85 | 90 | 44 | 31 | 115 | 958 | |
| Mgt Non-R&D | --- | --- | --- | 60,000 | 52,750 | 67,625 | 69,180 | 65,500 | 75,500 | 81,250 | 58,500 | 65,000 | |
| | --- | --- | 26,000 | 44,000 | 46,000 | 60,000 | 55,000 | 57,540 | 60,000 | 70,000 | 50,000 | 53,000 | |
| | --- | --- | --- | 30,000 | 39,750 | 50,000 | 45,500 | 46,616 | 44,875 | 58,000 | 36,225 | 42,590 | |
| | --- | --- | 26,000 | 44,665 | 46,557 | 61,107 | 56,582 | 55,745 | 65,412 | 62,855 | 47,650 | 53,462 | |
| | --- | --- | --- | 15,589 | 9,979 | 15,974 | 18,117 | 12,752 | 20,599 | 21,729 | 14,153 | 16,933 | |
| | 0 | 0 | 1 | 15 | 14 | 14 | 13 | 11 | 10 | 6 | 12 | 96 | |
| Marketing | --- | --- | --- | 37,000 | 51,960 | 54,500 | 60,000 | 56,000 | 52,725 | 61,456 | 49,750 | 51,980 | |
| | --- | --- | 37,050 | 31,000 | 47,000 | 47,700 | 52,500 | 49,500 | 50,950 | 45,000 | 44,000 | 47,000 | |
| | --- | --- | --- | 29,000 | 37,800 | 35,600 | 50,000 | 44,800 | 50,000 | 42,875 | 35,615 | 37,900 | |
| | --- | --- | 37,050 | 32,114 | 45,011 | 47,341 | 57,683 | 50,700 | 51,225 | 50,752 | 42,908 | 46,220 | |
| | --- | --- | 4,879 | 4,660 | 8,526 | 13,765 | 17,552 | 9,068 | 1,484 | 11,631 | 8,792 | 11,969 | |
| | 0 | 0 | 2 | 7 | 15 | 11 | 7 | 6 | 4 | 5 | 9 | 65 | |
| Prod & QC | --- | --- | 39,250 | 39,000 | 44,932 | 55,000 | 65,575 | 46,450 | 67,158 | --- | 44,000 | 45,000 | |
| | --- | --- | 35,800 | 37,000 | 40,000 | 44,000 | 41,150 | 34,700 | 52,500 | 48,500 | 35,000 | 39,900 | |
| | --- | --- | 31,750 | 31,572 | 32,500 | 41,000 | 30,000 | 29,500 | 48,975 | --- | 32,250 | 32,750 | |
| | --- | --- | 35,767 | 36,082 | 38,079 | 48,428 | 45,575 | 37,329 | 56,558 | 48,500 | 39,722 | 43,958 | |
| | --- | --- | 4,659 | 3,970 | 10,328 | 14,758 | 19,582 | 9,775 | 10,327 | 13,435 | 10,830 | 12,899 | |
| | 0 | 0 | 6 | 7 | 29 | 11 | 4 | 5 | 4 | 2 | 9 | 77 | |
| Forsenic | --- | --- | 36,900 | 52,600 | 37,500 | 44,000 | 46,200 | --- | 68,000 | --- | 37,250 | 45,875 | |
| | --- | --- | 33,500 | 33,500 | 33,950 | 45,000 | 38,000 | --- | 48,000 | 53,340 | 32,900 | 36,800 | |
| | --- | --- | 28,500 | 28,000 | 31,600 | 36,000 | 37,000 | --- | 44,900 | --- | 28,750 | 32,125 | |
| | --- | --- | 32,900 | 38,033 | 34,550 | 41,000 | 40,400 | --- | 52,900 | 53,340 | 33,967 | 39,096 | |
| | --- | --- | 4,580 | 12,911 | 5,171 | 4,359 | 5,043 | --- | 10,250 | 5,176 | 6,818 | 9,299 | |
| | 0 | 0 | 4 | 3 | 4 | 3 | 3 | 0 | 3 | 2 | 6 | 25 | |
| Writing/ Editing | --- | --- | --- | --- | --- | 35,000 | --- | --- | --- | --- | --- | 44,000 | |
| | --- | --- | --- | --- | 39,500 | 30,000 | 37,050 | --- | 52,500 | 43,000 | 44,000 | 43,000 | |
| | --- | --- | --- | --- | --- | 25,000 | --- | --- | --- | --- | --- | 35,000 | |
| | --- | --- | --- | --- | 39,500 | 29,333 | 37,050 | --- | 52,500 | 43,000 | 44,000 | 39,364 | |
| | --- | --- | --- | --- | 3,536 | 4,041 | 4,172 | --- | 10,389 | --- | --- | 9,216 | |
| | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 0 | 2 | 1 | 1 | 11 | |
| Data Proc | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 52,775 | |
| | --- | --- | 35,040 | --- | 42,000 | --- | 49,000 | --- | 54,000 | --- | 56,550 | 45,500 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 54,780 | |
| | --- | --- | 35,040 | --- | 42,000 | --- | 49,000 | --- | 54,000 | --- | 56,550 | 45,523 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10,677 | 11,175 | |
| | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 6 | |
| Consulting | --- | --- | 29,750 | --- | 41,000 | --- | --- | --- | --- | --- | --- | 76,250 | |
| | --- | --- | 25,000 | 36,000 | 39,750 | 77,500 | --- | 49,500 | --- | 36,250 | --- | 41,000 | |
| | --- | --- | 24,000 | --- | 25,750 | --- | --- | --- | --- | --- | --- | 29,565 | |
| | --- | --- | 26,250 | 36,000 | 35,500 | 77,500 | --- | 49,500 | --- | 36,250 | --- | 48,804 | |
| | --- | --- | 3,072 | --- | 9,437 | 3,536 | --- | 7,778 | --- | 5,303 | --- | 23,592 | |
| | 0 | 0 | 3 | 1 | 4 | 2 | 0 | 2 | 0 | 2 | 0 | 14 | |
| Other | --- | --- | --- | 31,812 | 42,000 | 64,000 | 55,000 | 61,750 | 80,000 | 58,125 | --- | 54,450 | |
| | --- | --- | 32,070 | 29,500 | 30,500 | 44,000 | 55,000 | 55,500 | 52,800 | 47,575 | 43,500 | 42,125 | |
| | --- | --- | --- | 25,150 | 27,000 | 41,250 | 47,160 | 44,625 | 38,000 | 39,815 | --- | 35,195 | |
| | --- | --- | 32,070 | 28,685 | 33,167 | 49,750 | 52,387 | 55,583 | 56,933 | 48,438 | 43,500 | 44,884 | |
| | --- | --- | 2,927 | 3,766 | 7,849 | 13,672 | 8,526 | 9,836 | 21,303 | 9,619 | 10,607 | 13,670 | |
| | 0 | 0 | 2 | 5 | 5 | 4 | 3 | 6 | 5 | 4 | 2 | 32 | |
| No Response | --- | --- | 36,750 | 41,000 | 46,925 | 50,134 | 56,925 | 65,000 | 59,000 | 66,000 | 42,400 | 52,000 | |
| | --- | --- | 32,000 | 35,000 | 41,800 | 45,250 | 47,500 | 55,500 | 52,000 | 45,400 | 40,000 | 42,650 | |
| | --- | --- | 31,125 | 32,076 | 35,475 | 36,660 | 42,250 | 42,000 | 50,400 | 36,500 | 35,000 | 35,150 | |
| | --- | --- | 33,175 | 37,332 | 43,450 | 45,242 | 49,575 | 58,209 | 51,629 | 50,333 | 43,593 | 45,056 | |
| | --- | --- | 3,300 | 12,017 | 10,325 | 15,015 | 12,149 | 15,398 | 8,252 | 14,715 | 7,350 | 12,985 | |
| | 0 | 0 | 8 | 19 | 20 | 18 | 14 | 19 | 7 | 12 | 17 | 134 | |
| TOTAL | --- | 60,000 | 35,010 | 41,000 | 47,150 | 55,000 | 60,000 | 62,000 | 60,000 | 67,000 | 51,595 | 51,350 | |
| | --- | 31,000 | 33,000 | 36,300 | 41,050 | 46,800 | 50,000 | 52,000 | 50,000 | 54,644 | 40,450 | 42,000 | |
| | --- | 20,000 | 30,580 | 32,525 | 36,613 | 41,000 | 42,000 | 44,000 | 42,340 | 44,475 | 34,150 | 35,000 | |
| | --- | 57,000 | 33,085 | 37,403 | 42,269 | 49,364 | 52,326 | 55,479 | 52,393 | 56,911 | 43,961 | 44,492 | |
| | --- | 20,668 | 5,675 | 7,612 | 9,117 | 12,715 | 13,402 | 11,952 | 14,971 | 16,348 | 12,989 | 13,343 | |
| | 0 | 3 | 250 | 404 | 420 | 325 | 228 | 251 | 116 | 112 | 286 | 2,393 | |

TABLE-3.4.8

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY - MEN Only
by WORK FUNCTION and YEARS SINCE BS
1982 Survey of ACS Members

YEARS SINCE BS

| WORK FUNCTION | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mgt-R&D | --- | --- | 37,800 | 47,000 | 52,000 | 60,000 | 67,000 | 69,000 | 70,000 | 74,500 | 65,700 | 62,050 | - 75th $-tile |
| | --- | 60,000 | 34,800 | 43,000 | 46,000 | 55,000 | 59,000 | 61,000 | 51,000 | 62,200 | 53,000 | 51,000 | - Median |
| | --- | --- | 31,000 | 37,900 | 43,000 | 46,000 | 49,000 | 50,000 | 45,800 | 54,000 | 44,000 | 44,000 | - 25th $-tile |
| | --- | 60,000 | 34,371 | 43,221 | 47,421 | 55,027 | 58,220 | 60,645 | 56,924 | 63,656 | 55,135 | 54,038 | - Mean |
| | --- | --- | 4,002 | 5,977 | 9,798 | 13,274 | 14,535 | 15,045 | 16,916 | 16,004 | 14,271 | 14,525 | - Std Dev |
| | 0 | 1 | 7 | 60 | 108 | 99 | 75 | 87 | 34 | 36 | 59 | 566 | - Count |
| Basic research | --- | --- | 36,000 | 43,000 | 47,625 | 55,175 | 60,300 | 55,000 | --- | 75,000 | 49,000 | 46,925 | |
| | --- | 51,000 | 33,000 | 36,648 | 41,500 | 46,210 | 53,000 | 49,000 | 42,000 | 51,800 | 38,000 | 38,720 | |
| | --- | --- | 31,600 | 33,000 | 37,820 | 40,500 | 44,220 | 41,600 | --- | 41,700 | 34,200 | 34,500 | |
| | --- | 51,000 | 35,651 | 37,056 | 42,972 | 46,611 | 52,871 | 49,430 | 42,000 | 58,292 | 41,192 | 41,425 | |
| | --- | --- | 3,383 | 5,860 | 8,196 | 8,950 | 10,138 | 8,981 | 2,828 | 17,009 | 10,394 | 10,064 | |
| | 0 | 1 | 62 | 88 | 54 | 42 | 21 | 24 | 2 | 9 | 43 | 346 | |
| Applied R&D | --- | --- | 34,725 | 39,420 | 45,625 | 49,998 | 51,750 | 55,346 | 51,500 | 56,200 | 47,400 | 45,675 | |
| | --- | 29,000 | 32,500 | 35,292 | 39,000 | 44,000 | 45,250 | 48,000 | 45,200 | 49,000 | 37,700 | 39,350 | |
| | --- | --- | 30,000 | 32,000 | 35,000 | 38,200 | 40,000 | 41,750 | 39,800 | 42,500 | 32,947 | 35,758 | |
| | --- | 29,000 | 32,691 | 35,760 | 39,244 | 44,275 | 46,661 | 48,431 | 47,554 | 49,362 | 40,971 | 40,792 | |
| | --- | --- | 3,608 | 5,615 | 6,472 | 8,726 | 8,977 | 11,216 | 12,415 | 10,635 | 10,774 | 9,857 | |
| | 0 | 1 | 122 | 165 | 145 | 107 | 80 | 89 | 41 | 29 | 110 | 890 | |
| Mgt Non-R&D | --- | --- | --- | 60,000 | 52,750 | 57,625 | 69,180 | 65,500 | 75,500 | 82,500 | 56,500 | 65,000 | |
| | --- | --- | 26,000 | 44,500 | 46,000 | 60,000 | 55,000 | 57,540 | 60,000 | 70,000 | 50,000 | 50,000 | |
| | --- | --- | --- | 32,125 | 39,750 | 50,000 | 45,500 | 46,616 | 44,875 | 36,000 | 36,225 | 43,530 | |
| | --- | --- | 26,000 | 45,713 | 46,557 | 51,107 | 56,382 | 55,743 | 63,412 | 61,400 | 47,650 | 53,535 | |
| | --- | --- | --- | 15,620 | 9,879 | 15,934 | 18,117 | 12,752 | 20,599 | 23,975 | 14,155 | 16,919 | |
| | 0 | 0 | 1 | 14 | 14 | 14 | 13 | 11 | 10 | 5 | 12 | 94 | |
| Marketing | --- | --- | --- | 55,750 | 51,950 | 54,300 | 60,000 | 56,000 | 52,725 | 61,456 | 50,000 | 52,250 | |
| | --- | --- | 37,050 | 51,000 | 47,000 | 47,700 | 52,500 | 48,500 | 50,950 | 45,000 | 44,000 | 48,400 | |
| | --- | --- | --- | 29,250 | 37,800 | 55,600 | 50,000 | 44,800 | 50,000 | 42,875 | 39,660 | 39,850 | |
| | --- | --- | 37,050 | 52,000 | 45,011 | 47,541 | 57,643 | 50,700 | 51,225 | 50,752 | 44,523 | 47,146 | |
| | --- | --- | 4,879 | 3,559 | 8,326 | 13,765 | 17,552 | 8,068 | 1,484 | 11,601 | 8,115 | 11,751 | |
| | 0 | 0 | 2 | 4 | 15 | 11 | 7 | 6 | 4 | 5 | 7 | 61 | |
| Prod & QC | --- | --- | 41,750 | 39,000 | 44,991 | 47,500 | 65,575 | 46,450 | 67,138 | --- | 46,000 | 45,000 | |
| | --- | --- | 36,500 | 37,000 | 39,750 | 43,156 | 41,150 | 34,700 | 52,500 | 43,500 | 35,000 | 39,950 | |
| | --- | --- | 33,125 | 31,572 | 32,750 | 41,000 | 30,000 | 29,500 | 49,375 | --- | 32,625 | 35,000 | |
| | --- | --- | 37,125 | 36,082 | 38,012 | 44,521 | 45,575 | 37,320 | 56,538 | 43,500 | 40,688 | 40,745 | |
| | --- | --- | 4,516 | 5,970 | 10,223 | 7,443 | 19,382 | 9,775 | 10,527 | 13,435 | 19,891 | 11,952 | |
| | 0 | 0 | 4 | 7 | 25 | 10 | 4 | 5 | 4 | 2 | 8 | 70 | |
| Patents | --- | --- | --- | 52,600 | 57,500 | 48,000 | 46,200 | --- | --- | --- | 40,500 | 46,800 | |
| | --- | --- | 29,000 | 55,500 | 55,950 | 45,000 | 38,000 | --- | 56,000 | 55,340 | 32,800 | 36,500 | |
| | --- | --- | --- | 28,000 | 31,600 | 56,000 | 37,000 | --- | --- | --- | 28,500 | 31,600 | |
| | --- | --- | 29,000 | 38,033 | 54,350 | 47,000 | 40,400 | --- | 56,000 | 55,340 | 34,160 | 39,299 | |
| | --- | --- | 1,414 | 12,911 | 5,171 | 4,359 | 5,048 | --- | 11,314 | 5,176 | 7,604 | 9,895 | |
| | 0 | 0 | 2 | 5 | 4 | 5 | 3 | 0 | 2 | 2 | 5 | 24 | |
| Writing/ Editing | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 43,500 | |
| | --- | --- | --- | --- | 39,500 | 51,500 | 37,050 | --- | 60,000 | --- | 44,000 | 38,500 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 33,275 | |
| | --- | --- | --- | --- | 39,500 | 51,500 | 37,050 | --- | 60,000 | --- | 44,000 | 40,013 | |
| | --- | --- | --- | --- | 3,536 | 2,121 | 4,172 | --- | --- | --- | --- | 9,357 | |
| | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 1 | 0 | 1 | 8 | |
| Data Proc | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 52,775 | |
| | --- | --- | 35,043 | --- | 42,000 | --- | 49,000 | --- | 34,000 | --- | 56,550 | 45,500 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 34,780 | |
| | --- | --- | 35,043 | --- | 42,000 | --- | 49,000 | --- | 34,000 | --- | 56,550 | 45,523 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10,677 | 11,175 | |
| | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 6 | |
| Consulting | --- | --- | --- | --- | 41,000 | --- | --- | --- | --- | --- | --- | 80,000 | |
| | --- | --- | 29,750 | 36,000 | 38,500 | 77,500 | --- | 49,500 | --- | 86,250 | --- | 44,000 | |
| | --- | --- | --- | --- | 21,500 | --- | --- | --- | --- | --- | --- | 36,000 | |
| | --- | --- | 29,750 | 36,000 | 35,667 | 77,500 | --- | 49,500 | --- | 86,250 | --- | 53,932 | |
| | --- | --- | --- | --- | 10,611 | 3,536 | --- | 7,778 | --- | 5,303 | --- | 23,883 | |
| | 0 | 0 | 1 | 1 | 3 | 2 | 0 | 2 | 0 | 2 | 0 | 11 | |
| Other | --- | --- | --- | 29,500 | --- | 58,000 | 55,000 | 61,750 | 80,000 | 58,125 | --- | 55,000 | |
| | --- | --- | 32,070 | 27,500 | 28,750 | 44,000 | 55,000 | 53,500 | 52,800 | 47,375 | 43,500 | 45,500 | |
| | --- | --- | --- | 25,000 | --- | 41,250 | 47,160 | 44,625 | 38,000 | 39,813 | --- | 35,070 | |
| | --- | --- | 32,070 | 28,600 | 28,750 | 49,750 | 52,387 | 55,583 | 56,933 | 48,438 | 43,500 | 45,884 | |
| | --- | --- | 2,927 | 3,306 | 2,475 | 13,672 | 4,526 | 9,436 | 21,303 | 9,619 | 10,607 | 13,902 | |
| | 0 | 0 | 2 | 5 | 2 | 4 | 3 | 6 | 3 | 4 | 2 | 29 | |
| No Response | --- | --- | 36,750 | 43,750 | 47,000 | 52,201 | 56,925 | 65,000 | 59,000 | 65,000 | 41,750 | 52,000 | |
| | --- | --- | 32,000 | 34,813 | 42,000 | 47,150 | 47,500 | 55,500 | 52,000 | 44,300 | 40,000 | 42,900 | |
| | --- | --- | 31,125 | 32,537 | 35,500 | 41,000 | 42,250 | 42,000 | 50,400 | 37,000 | 35,000 | 35,475 | |
| | --- | --- | 33,175 | 37,006 | 45,737 | 46,990 | 49,575 | 54,209 | 31,629 | 49,722 | 39,661 | 45,225 | |
| | --- | --- | 3,500 | 12,660 | 10,525 | 12,650 | 12,146 | 15,098 | 8,252 | 13,785 | 6,472 | 12,926 | |
| | 0 | 0 | 9 | 16 | 19 | 16 | 14 | 19 | 7 | 9 | 16 | 124 | |
| TOTAL | --- | 60,000 | 35,000 | 41,400 | 47,475 | 55,000 | 60,000 | 62,000 | 60,000 | 65,000 | 52,000 | 52,000 | |
| | --- | 51,000 | 33,000 | 36,696 | 41,500 | 46,850 | 50,000 | 52,500 | 50,000 | 54,288 | 41,000 | 42,840 | |
| | --- | 20,000 | 30,625 | 33,000 | 36,850 | 41,000 | 42,000 | 44,000 | 43,000 | 45,000 | 34,860 | 35,400 | |
| | --- | 37,000 | 33,296 | 37,677 | 42,457 | 49,212 | 52,125 | 53,523 | 52,876 | 56,562 | 44,489 | 45,335 | |
| | --- | 20,664 | 3,635 | 7,647 | 9,154 | 12,508 | 13,384 | 13,899 | 15,190 | 15,825 | 13,115 | 13,347 | |
| | 0 | 3 | 212 | 359 | 386 | 310 | 225 | 249 | 109 | 103 | 265 | 2,229 | |

TABLE-3.4.9

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY - WOMEN Only
by WORK FUNCTION and YEARS SINCE BS
1982 Survey of ACS Members

| WORK FUNCTION | YEARS SINCE BS 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mgt-R&D | --- | --- | 39,250 | 48,000 | --- | 64,000 | --- | --- | --- | --- | 34,000 | 52,000 | - 75th %-ile |
| | --- | --- | 34,000 | 42,000 | 50,000 | 57,708 | --- | 48,000 | --- | 98,000 | 31,000 | 41,000 | - Median |
| | --- | --- | 32,875 | 39,000 | --- | 40,440 | --- | --- | --- | --- | 23,000 | 34,000 | - 25th %-ile |
| | --- | --- | 35,375 | 43,214 | 50,000 | 54,049 | --- | 48,000 | --- | 98,000 | 29,333 | 44,769 | - Mean |
| | --- | --- | 3,816 | 7,756 | 14,142 | 12,199 | --- | --- | --- | --- | 5,686 | 16,138 | - Std Dev |
| | 0 | 0 | 4 | 7 | 2 | 5 | 0 | 1 | 0 | 1 | 3 | 21 | - Count |
| Basic research | --- | --- | 34,854 | 36,125 | 41,900 | --- | --- | --- | --- | --- | 39,250 | 37,700 | |
| | --- | --- | 33,910 | 34,177 | 36,650 | --- | 34,475 | --- | 41,050 | --- | 37,000 | 34,454 | |
| | --- | --- | 29,775 | 31,500 | 31,000 | --- | --- | --- | --- | --- | 32,980 | 32,000 | |
| | --- | --- | 32,900 | 34,284 | 36,330 | --- | 34,475 | --- | 41,050 | --- | 36,292 | 34,811 | |
| | --- | --- | 3,471 | 4,014 | 6,222 | --- | 6,399 | --- | --- | --- | 3,348 | 4,335 | |
| | 0 | 0 | 8 | 10 | 5 | 0 | 2 | 0 | 1 | 0 | 5 | 31 | |
| Applied R&D | --- | --- | 35,300 | 35,800 | 38,425 | 47,280 | --- | --- | --- | --- | 50,685 | 37,988 | |
| | --- | --- | 33,100 | 32,000 | 37,250 | 55,000 | 58,500 | 48,000 | 37,951 | --- | 38,370 | 33,800 | |
| | --- | --- | 30,600 | 28,710 | 31,275 | 32,640 | --- | --- | --- | --- | 28,500 | 30,305 | |
| | --- | --- | 33,077 | 33,202 | 36,900 | 38,307 | 58,500 | 48,000 | 37,951 | --- | 39,185 | 35,639 | |
| | --- | --- | 3,401 | 6,775 | 7,565 | 7,860 | 16,263 | --- | --- | --- | 11,983 | 8,171 | |
| | 0 | 0 | 20 | 17 | 8 | 5 | 2 | 1 | 1 | 0 | 4 | 56 | |
| Mgt Non-R&D | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | 30,000 | --- | --- | --- | --- | --- | --- | --- | 30,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | 30,000 | --- | --- | --- | --- | --- | --- | --- | 30,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| Marketing | --- | --- | --- | 39,600 | --- | --- | --- | --- | --- | --- | --- | 37,600 | |
| | --- | --- | --- | 31,000 | --- | --- | --- | --- | --- | --- | 31,600 | 31,300 | |
| | --- | --- | --- | 26,200 | --- | --- | --- | --- | --- | --- | --- | 27,400 | |
| | --- | --- | --- | 32,267 | --- | --- | --- | --- | --- | --- | 31,600 | 32,100 | |
| | --- | --- | --- | 6,789 | --- | --- | --- | --- | --- | --- | --- | 5,553 | |
| | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | |
| Prod & QC | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40,800 | |
| | --- | --- | 33,050 | --- | 34,000 | --- | --- | --- | --- | --- | 32,000 | 32,000 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 26,250 | |
| | --- | --- | 33,050 | --- | 34,000 | --- | --- | --- | --- | --- | 32,000 | 33,220 | |
| | --- | --- | 5,020 | --- | 15,556 | --- | --- | --- | --- | --- | --- | 8,215 | |
| | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | |
| Forsenic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42,925 | |
| | --- | --- | 36,800 | --- | --- | --- | --- | --- | 44,900 | --- | 33,000 | 36,800 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 33,900 | |
| | --- | --- | 36,800 | --- | --- | --- | --- | --- | 44,900 | --- | 33,000 | 37,875 | |
| | --- | --- | 283 | --- | --- | --- | --- | --- | --- | --- | --- | 5,017 | |
| | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | |
| Writing/ Editing | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | 25,000 | --- | --- | 44,600 | --- | --- | 34,800 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | 25,000 | --- | --- | 44,600 | --- | --- | 34,800 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 13,859 | |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | |
| Data Proc | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Consulting | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | 24,500 | --- | --- | --- | --- | --- | --- | --- | --- | 24,500 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | 24,500 | --- | --- | --- | --- | --- | --- | --- | --- | 24,500 | |
| | --- | --- | 707 | --- | --- | --- | --- | --- | --- | --- | --- | 707 | |
| | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| Other | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 42,000 | |
| | --- | --- | --- | 31,812 | 42,000 | --- | --- | --- | --- | --- | --- | 32,880 | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 30,744 | |
| | --- | --- | --- | 31,812 | 42,000 | --- | --- | --- | --- | --- | --- | 35,208 | |
| | --- | --- | --- | 1,510 | --- | --- | --- | --- | --- | --- | --- | 5,978 | |
| | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | |
| No Response | --- | --- | --- | 50,000 | --- | --- | --- | --- | --- | --- | --- | 50,000 | |
| | --- | --- | --- | 35,200 | 38,000 | 31,260 | --- | --- | --- | --- | 55,500 | 35,640 | |
| | --- | --- | --- | 32,000 | --- | --- | --- | --- | --- | --- | --- | 32,000 | |
| | --- | --- | --- | 39,067 | 38,000 | 31,260 | --- | --- | --- | --- | 55,500 | 39,031 | |
| | --- | --- | --- | 9,603 | --- | 6,194 | --- | --- | --- | --- | --- | 10,131 | |
| | 0 | 0 | 0 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 7 | |
| TOTAL | --- | --- | 35,550 | 38,800 | 42,000 | 52,494 | 64,250 | --- | 44,825 | --- | 40,025 | 39,000 | |
| | --- | --- | 33,500 | 33,800 | 38,000 | 35,640 | 43,000 | 48,000 | 42,825 | 98,000 | 33,100 | 34,435 | |
| | --- | --- | 30,435 | 30,500 | 35,000 | 29,760 | 52,213 | --- | 38,726 | --- | 31,150 | 30,934 | |
| | --- | --- | 33,025 | 35,288 | 38,150 | 40,510 | 46,488 | 48,000 | 42,125 | 98,000 | 36,144 | 36,680 | |
| | --- | --- | 5,924 | 7,180 | 8,614 | 13,537 | 17,153 | 0 | 5,287 | --- | 8,714 | 9,756 | |
| | 0 | 0 | 38 | 43 | 19 | 9 | 4 | 2 | 4 | 1 | 16 | 136 | |

TABLE-3.5.1

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
1982 Survey of ACS Members

| SPECIALTY | YEARS SINCE BS 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Biochemistry | 23,500 | 23,681 | 26,500 | --- | --- | --- | --- | --- | --- | --- | --- | 27,000 | - 75th %-ile |
| | 20,000 | 20,113 | 23,750 | 22,000 | --- | 45,075 | --- | 30,250 | --- | 54,000 | --- | 22,725 | - Median |
| | 19,000 | 17,125 | 20,125 | --- | --- | --- | --- | --- | --- | --- | --- | 19,500 | - 25th %-ile |
| | 21,000 | 20,306 | 24,125 | 22,000 | --- | 45,075 | --- | 30,250 | --- | 54,000 | --- | 26,542 | - Mean |
| | 3,000 | 3,573 | 4,948 | --- | --- | 6,965 | --- | 19,445 | --- | --- | --- | 10,695 | - Std Dev |
| | 5 | 4 | 8 | 1 | 0 | 2 | 0 | 2 | 0 | 1 | 0 | 23 | - Count |
| Agricultural/ food chemistry | --- | 23,000 | 33,875 | 33,375 | 74,750 | 49,875 | 47,000 | 48,600 | 62,500 | 51,000 | --- | 40,000 | |
| | 20,500 | 20,220 | 26,500 | 27,680 | 45,000 | 42,500 | 36,000 | 35,000 | 48,309 | 38,150 | --- | 28,000 | |
| | --- | 17,000 | 23,175 | 24,300 | 28,750 | 31,500 | 27,000 | 26,000 | 35,000 | 35,000 | --- | 22,875 | |
| | 20,500 | 19,995 | 27,769 | 29,934 | 49,500 | 41,500 | 36,667 | 40,514 | 47,140 | 42,030 | --- | 33,234 | |
| | --- | 4,465 | 6,496 | 9,955 | 24,583 | 9,918 | 10,017 | 20,142 | 17,149 | 8,672 | --- | 15,217 | |
| | 1 | 19 | 16 | 12 | 4 | 8 | 3 | 15 | 8 | 5 | 0 | 89 | |
| Analytical chemistry | 23,000 | 24,000 | 28,425 | 33,000 | 38,750 | 37,650 | 42,000 | 48,500 | 50,000 | 42,500 | --- | 35,000 | |
| | 21,000 | 21,000 | 24,995 | 28,000 | 34,550 | 35,000 | 36,734 | 37,000 | 41,580 | 37,000 | 22,176 | 27,000 | |
| | 18,000 | 19,000 | 21,000 | 24,675 | 28,125 | 26,212 | 29,226 | 32,000 | 38,250 | 31,000 | --- | 22,125 | |
| | 20,563 | 21,459 | 25,031 | 29,228 | 33,857 | 32,692 | 36,544 | 38,964 | 45,892 | 38,065 | 22,176 | 29,487 | |
| | 3,729 | 3,496 | 5,490 | 7,114 | 8,160 | 8,544 | 8,427 | 11,281 | 14,671 | 8,228 | --- | 10,067 | |
| | 19 | 106 | 122 | 74 | 44 | 45 | 36 | 59 | 18 | 17 | 1 | 541 | |
| Environmental chemistry | --- | 21,950 | 30,000 | 32,350 | 43,750 | --- | 45,000 | 46,725 | 46,375 | --- | --- | 37,500 | |
| | 18,000 | 19,400 | 27,250 | 29,500 | 38,900 | --- | 42,600 | 38,000 | 36,000 | 30,920 | --- | 29,000 | |
| | --- | 15,800 | 21,450 | 24,900 | 29,550 | --- | 42,000 | 36,500 | 27,890 | --- | --- | 21,900 | |
| | 18,000 | 19,085 | 26,780 | 29,172 | 38,875 | --- | 43,200 | 40,879 | 36,755 | 30,920 | --- | 30,095 | |
| | --- | 4,495 | 6,407 | 5,165 | 13,430 | --- | 1,587 | 10,167 | 9,998 | 22,514 | --- | 10,902 | |
| | 1 | 17 | 22 | 18 | 8 | 0 | 3 | 14 | 4 | 2 | 0 | 89 | |
| Organic chemistry | 21,980 | 22,857 | 29,550 | 37,000 | 47,250 | 45,000 | 50,750 | 44,190 | 60,500 | 48,500 | --- | 40,800 | |
| | 21,000 | 21,650 | 26,350 | 34,000 | 34,500 | 40,000 | 40,150 | 40,000 | 51,600 | 41,748 | --- | 31,000 | |
| | 17,500 | 20,000 | 24,000 | 30,000 | 26,438 | 33,000 | 33,875 | 34,480 | 41,500 | 34,750 | --- | 24,150 | |
| | 20,803 | 21,442 | 26,672 | 33,796 | 36,638 | 41,046 | 45,115 | 43,145 | 51,844 | 43,253 | --- | 34,690 | |
| | 3,538 | 2,615 | 4,468 | 7,948 | 9,624 | 10,380 | 17,366 | 16,265 | 17,437 | 10,385 | --- | 14,513 | |
| | 11 | 32 | 42 | 23 | 12 | 15 | 16 | 26 | 18 | 14 | 0 | 209 | |
| Inorganic chemistry | 24,500 | 24,000 | 28,900 | 37,200 | 39,000 | --- | 48,000 | 50,000 | 81,000 | 55,125 | --- | 40,000 | |
| | 22,000 | 22,000 | 25,700 | 30,000 | 34,000 | 60,000 | 45,000 | 36,000 | 75,000 | 40,250 | --- | 29,000 | |
| | 20,250 | 20,825 | 22,250 | 21,000 | 20,000 | --- | 36,300 | 32,400 | 55,000 | 29,500 | --- | 22,000 | |
| | 22,250 | 21,650 | 24,589 | 29,843 | 31,000 | 60,000 | 42,433 | 43,955 | 70,333 | 41,625 | --- | 33,847 | |
| | 2,217 | 2,898 | 4,455 | 7,645 | 10,520 | --- | 5,871 | 18,340 | 13,614 | 13,972 | --- | 16,571 | |
| | 4 | 16 | 9 | 7 | 4 | 1 | 3 | 17 | 3 | 4 | 0 | 68 | |
| Pharmaceutical/ medicinal/ clinical chemistry | 19,675 | 22,020 | 25,500 | 31,963 | 33,750 | 42,500 | 46,250 | 60,000 | 67,500 | --- | --- | 35,000 | |
| | 18,050 | 20,200 | 24,500 | 26,375 | 26,950 | 36,000 | 36,550 | 40,000 | 47,150 | 32,000 | --- | 25,900 | |
| | 17,076 | 19,000 | 22,800 | 23,239 | 21,250 | 33,000 | 32,525 | 35,500 | 39,750 | --- | --- | 21,500 | |
| | 18,267 | 21,578 | 24,606 | 30,055 | 27,009 | 37,700 | 38,463 | 43,757 | 52,883 | 32,000 | --- | 29,906 | |
| | 1,370 | 5,388 | 3,539 | 14,398 | 6,474 | 7,984 | 6,801 | 13,885 | 20,586 | --- | --- | 12,950 | |
| | 4 | 27 | 19 | 24 | 8 | 11 | 8 | 7 | 6 | 1 | 0 | 115 | |
| Physical chemistry | --- | 25,840 | 26,750 | 31,980 | 40,500 | 44,250 | 50,875 | 52,116 | --- | --- | --- | 37,000 | |
| | 20,000 | 23,000 | 24,000 | 29,000 | 36,700 | 39,500 | 33,750 | 51,000 | 36,560 | --- | --- | 29,000 | |
| | --- | 20,270 | 19,150 | 24,000 | 30,000 | 32,500 | 27,988 | 48,000 | --- | --- | --- | 22,500 | |
| | 20,000 | 23,051 | 23,300 | 28,327 | 35,540 | 38,750 | 37,538 | 50,372 | 36,560 | --- | --- | 30,166 | |
| | --- | 5,170 | 4,028 | 4,032 | 5,395 | 6,131 | 12,603 | 2,129 | 9,108 | --- | --- | 10,275 | |
| | 1 | 17 | 4 | 5 | 5 | 4 | 4 | 3 | 2 | 0 | 0 | 43 | |
| Theoretical chemistry | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Polymer/ macromolecular chemistry | 24,350 | 25,000 | 29,010 | 34,500 | 40,550 | 45,875 | 43,000 | 50,000 | 58,150 | 62,000 | --- | 42,050 | |
| | 21,600 | 22,500 | 26,000 | 31,000 | 35,200 | 40,000 | 38,500 | 42,750 | 40,000 | 43,000 | 25,200 | 33,225 | |
| | 19,575 | 20,160 | 23,875 | 25,300 | 29,500 | 34,425 | 30,752 | 36,775 | 31,800 | 39,000 | --- | 25,000 | |
| | 22,183 | 22,470 | 26,487 | 29,781 | 36,257 | 40,460 | 38,737 | 45,270 | 46,421 | 51,566 | 25,200 | 35,721 | |
| | 5,564 | 3,581 | 4,422 | 6,365 | 8,105 | 11,646 | 10,316 | 14,120 | 19,959 | 19,491 | --- | 14,242 | |
| | 6 | 35 | 42 | 29 | 29 | 26 | 23 | 43 | 17 | 17 | 1 | 273 | |
| Other chemistry | 28,725 | 24,800 | 28,900 | 35,000 | 38,580 | 39,750 | 70,000 | 44,400 | 52,115 | 42,400 | --- | 39,000 | |
| | 21,600 | 21,000 | 26,500 | 30,000 | 35,250 | 34,675 | 36,000 | 40,000 | 40,250 | 37,256 | --- | 30,000 | |
| | 18,075 | 18,700 | 21,920 | 24,600 | 29,223 | 30,000 | 30,000 | 33,000 | 36,075 | 33,000 | --- | 24,875 | |
| | 22,800 | 22,240 | 25,210 | 31,297 | 35,680 | 35,610 | 47,280 | 39,068 | 44,985 | 38,487 | --- | 32,888 | |
| | 5,760 | 5,244 | 4,955 | 11,684 | 4,811 | 10,090 | 20,613 | 10,309 | 16,800 | 6,524 | --- | 12,588 | |
| | 4 | 39 | 37 | 19 | 20 | 20 | 15 | 43 | 12 | 13 | 0 | 222 | |
| TOTAL | 22,675 | 24,000 | 28,800 | 34,000 | 40,000 | 42,620 | 46,000 | 48,875 | 55,000 | 48,075 | --- | 38,000 | |
| | 20,750 | 21,500 | 25,450 | 29,000 | 34,856 | 36,000 | 37,000 | 40,000 | 44,500 | 40,000 | 22,688 | 29,000 | |
| | 18,300 | 19,000 | 22,000 | 24,825 | 28,725 | 30,000 | 31,000 | 33,000 | 36,075 | 33,950 | --- | 23,000 | |
| | 20,882 | 21,543 | 25,631 | 30,095 | 34,934 | 37,143 | 40,201 | 41,542 | 47,884 | 42,623 | 22,688 | 32,019 | |
| | 5,479 | 4,089 | 5,169 | 8,712 | 9,375 | 10,208 | 12,854 | 13,690 | 17,552 | 15,309 | 724 | 12,827 | |
| | 56 | 312 | 321 | 210 | 134 | 132 | 111 | 252 | 88 | 74 | 2 | 1,672 | |

TABLE-3.5.2

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY - MEN Only
by WORK SPECIALTY and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIALTY | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| Biochemistry | 24,750 | --- | 29,250 | --- | --- | --- | --- | --- | --- | --- | --- | 34,000 - 75th %-ile |
| | 20,500 | 20,500 | 23,000 | 22,000 | --- | 45,075 | --- | --- | --- | 54,000 | --- | 23,000 - Median |
| | 18,500 | --- | 20,750 | --- | --- | --- | --- | --- | --- | --- | --- | 20,000 - 25th %-ile |
| | 21,250 | 20,500 | 24,600 | 22,000 | --- | 45,075 | --- | --- | --- | 54,000 | --- | 27,677 - Mean |
| | 3,403 | 4,950 | 5,561 | --- | --- | 6,965 | --- | --- | --- | --- | --- | 11,581 - Std Dev |
| | 4 | 2 | 5 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 15 - Count |
| Agricultural/ | --- | 24,250 | 36,250 | 35,500 | 83,000 | 52,000 | --- | 48,900 | 65,000 | 51,000 | --- | 46,500 |
| food chemistry | --- | 20,256 | 27,400 | 30,900 | 50,000 | 42,000 | 41,500 | 35,250 | 48,618 | 38,150 | --- | 33,000 |
| | --- | 17,150 | 23,175 | 24,525 | 40,000 | 30,000 | --- | 27,000 | 33,000 | 35,000 | --- | 24,000 |
| | --- | 20,665 | 28,650 | 31,988 | 57,667 | 41,286 | 41,500 | 42,058 | 50,731 | 42,030 | --- | 35,990 |
| | --- | 4,968 | 7,211 | 11,783 | 22,502 | 10,692 | 7,778 | 20,217 | 14,924 | 8,672 | --- | 15,984 |
| | 0 | 13 | 12 | 8 | 3 | 7 | 2 | 12 | 7 | 5 | 0 | 69 |
| Analytical | 23,000 | 24,000 | 29,625 | 34,000 | 39,500 | 38,000 | 42,000 | 48,500 | 50,000 | 42,250 | --- | 36,350 |
| chemistry | 20,700 | 22,000 | 25,100 | 28,280 | 34,500 | 33,000 | 36,700 | 37,000 | 41,080 | 38,500 | 22,176 | 28,968 |
| | 19,125 | 19,600 | 21,093 | 25,000 | 28,000 | 27,500 | 29,452 | 32,000 | 36,750 | 32,250 | --- | 23,400 |
| | 20,430 | 21,892 | 25,644 | 29,757 | 33,749 | 33,527 | 36,703 | 38,964 | 45,916 | 38,614 | 22,176 | 30,863 |
| | 2,850 | 3,375 | 5,516 | 7,293 | 8,391 | 7,554 | 8,474 | 11,281 | 15,547 | 8,416 | --- | 10,222 |
| | 10 | 62 | 94 | 64 | 37 | 39 | 33 | 59 | 16 | 14 | 1 | 429 |
| Environmental | --- | 21,925 | 30,000 | 34,250 | 50,000 | --- | 45,000 | 49,150 | 46,375 | --- | --- | 38,000 |
| chemistry | 18,000 | 18,500 | 27,000 | 30,650 | 37,500 | --- | 42,600 | 38,000 | 36,000 | 30,920 | --- | 29,822 |
| | --- | 15,900 | 22,450 | 27,975 | 25,000 | --- | 42,000 | 37,000 | 27,890 | --- | --- | 21,975 |
| | 18,000 | 19,360 | 27,192 | 30,750 | 38,500 | --- | 43,200 | 42,177 | 36,755 | 30,920 | --- | 31,075 |
| | --- | 4,309 | 5,835 | 4,615 | 15,869 | --- | 1,587 | 9,296 | 9,998 | 22,514 | --- | 11,119 |
| | 1 | 14 | 17 | 14 | 6 | 0 | 3 | 13 | 4 | 2 | 0 | 74 |
| Organic | 25,950 | 24,500 | 29,325 | 37,250 | 47,250 | 45,000 | 50,750 | 44,380 | 61,000 | 47,175 | --- | 42,000 |
| chemistry | 21,500 | 22,000 | 26,350 | 34,500 | 34,500 | 40,000 | 40,150 | 40,000 | 52,000 | 41,148 | --- | 33,500 |
| | 18,776 | 20,000 | 24,000 | 30,150 | 28,438 | 33,000 | 33,875 | 33,959 | 41,500 | 34,250 | --- | 25,200 |
| | 22,190 | 21,671 | 26,651 | 34,314 | 37,638 | 41,046 | 45,115 | 43,471 | 52,424 | 40,295 | --- | 36,177 |
| | 4,299 | 3,036 | 4,519 | 7,728 | 5,624 | 10,380 | 17,366 | 16,514 | 17,794 | 6,776 | --- | 14,486 |
| | 5 | 19 | 36 | 22 | 12 | 15 | 16 | 25 | 17 | 12 | 0 | 179 |
| Inorganic | --- | 24,300 | 28,500 | 37,200 | 39,000 | --- | 48,000 | 50,000 | 81,000 | 55,125 | --- | 40,500 |
| chemistry | 21,000 | 21,000 | 26,100 | 30,000 | 34,000 | 60,000 | 45,000 | 36,000 | 75,000 | 40,250 | --- | 32,000 |
| | --- | 18,000 | 24,150 | 21,000 | 20,000 | --- | 36,300 | 32,400 | 55,000 | 29,500 | --- | 24,000 |
| | 21,000 | 21,164 | 25,100 | 29,845 | 31,000 | 60,000 | 42,433 | 43,953 | 70,333 | 41,625 | --- | 35,585 |
| | --- | 3,348 | 4,469 | 7,645 | 10,520 | --- | 5,871 | 18,840 | 13,614 | 13,972 | --- | 17,135 |
| | 1 | 11 | 8 | 7 | 4 | 1 | 3 | 17 | 3 | 4 | 0 | 59 |
| Pharmaceutical/ | --- | 24,000 | 25,750 | 32,200 | 30,000 | 42,750 | 48,000 | 60,000 | 67,500 | --- | --- | 37,500 |
| medicinal/ | 17,184 | 21,000 | 24,460 | 26,600 | 26,400 | 36,000 | 37,500 | 40,000 | 47,150 | 32,000 | --- | 27,500 |
| clinical | --- | 20,000 | 21,900 | 23,478 | 20,000 | 31,500 | 34,100 | 35,300 | 39,750 | --- | --- | 22,800 |
| chemistry | 17,184 | 22,637 | 24,085 | 30,842 | 25,843 | 38,078 | 39,386 | 43,757 | 52,883 | 32,000 | --- | 31,788 |
| | 305 | 6,734 | 3,601 | 15,068 | 6,017 | 8,862 | 6,783 | 13,885 | 20,586 | --- | --- | 13,985 |
| | 2 | 15 | 12 | 21 | 7 | 9 | 7 | 7 | 6 | 1 | 0 | 87 |
| Physical | --- | 27,900 | 26,750 | 31,980 | 39,000 | 45,000 | 50,875 | 52,116 | --- | --- | --- | 38,500 |
| chemistry | --- | 23,100 | 24,000 | 29,000 | 30,000 | 42,000 | 33,750 | 51,000 | 36,560 | --- | --- | 29,000 |
| | --- | 21,300 | 19,150 | 24,000 | 30,000 | 37,000 | 27,988 | 48,000 | --- | --- | --- | 23,100 |
| | --- | 24,526 | 23,300 | 28,327 | 33,000 | 41,333 | 37,538 | 50,372 | 36,560 | --- | --- | 31,269 |
| | --- | 4,300 | 4,028 | 4,032 | 5,196 | 4,041 | 12,603 | 2,129 | 9,108 | --- | --- | 10,073 |
| | 0 | 13 | 4 | 3 | 3 | 3 | 4 | 3 | 2 | 0 | 0 | 35 |
| Theoretical | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| chemistry | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Polymer/ | 27,250 | 24,750 | 30,000 | 35,800 | 41,500 | 45,500 | 46,000 | 53,000 | 55,975 | 58,750 | --- | 43,000 |
| macromolecular | 22,250 | 22,500 | 26,500 | 31,000 | 35,200 | 40,000 | 38,500 | 42,750 | 38,500 | 47,500 | 23,200 | 34,800 |
| chemistry | 19,125 | 21,746 | 23,500 | 25,300 | 30,000 | 35,000 | 31,866 | 36,775 | 31,700 | 39,000 | --- | 26,850 |
| | 22,875 | 23,242 | 26,759 | 30,021 | 36,402 | 41,133 | 39,350 | 45,829 | 44,635 | 50,789 | 23,200 | 36,904 |
| | 4,339 | 3,184 | 4,727 | 6,701 | 8,260 | 10,744 | 10,324 | 14,474 | 19,136 | 19,856 | --- | 14,204 |
| | 4 | 21 | 34 | 25 | 27 | 23 | 21 | 44 | 16 | 16 | 1 | 232 |
| Other | --- | 24,400 | 29,000 | 34,287 | 38,580 | 44,000 | 70,000 | 44,000 | 53,820 | 42,600 | --- | 40,000 |
| chemistry | 24,000 | 21,000 | 26,750 | 30,000 | 33,250 | 36,000 | 40,500 | 40,000 | 40,000 | 38,200 | --- | 32,074 |
| | --- | 18,300 | 23,500 | 24,500 | 30,050 | 31,500 | 31,350 | 33,000 | 36,000 | 32,500 | --- | 26,098 |
| | 24,000 | 22,068 | 25,562 | 31,565 | 34,068 | 37,627 | 48,836 | 39,022 | 45,393 | 38,592 | --- | 34,125 |
| | 8,485 | 5,748 | 5,021 | 12,638 | 4,461 | 9,396 | 20,457 | 9,646 | 17,557 | 6,802 | --- | 12,990 |
| | 2 | 29 | 26 | 16 | 16 | 17 | 14 | 39 | 11 | 12 | 0 | 182 |
| TOTAL | 22,950 | 24,000 | 29,000 | 35,000 | 40,000 | 43,000 | 47,000 | 49,000 | 55,125 | 48,000 | --- | 40,000 |
| | 21,000 | 22,000 | 26,000 | 30,000 | 34,560 | 36,850 | 37,500 | 40,000 | 45,400 | 40,000 | 22,688 | 30,600 |
| | 18,000 | 19,200 | 22,850 | 25,000 | 28,800 | 30,250 | 32,500 | 33,000 | 36,000 | 34,000 | --- | 24,354 |
| | 21,142 | 21,954 | 26,034 | 30,745 | 34,993 | 38,059 | 40,863 | 41,925 | 48,084 | 42,155 | 22,688 | 33,538 |
| | 3,735 | 4,373 | 5,221 | 9,046 | 9,795 | 9,720 | 12,972 | 13,669 | 17,425 | 13,086 | 724 | 13,113 |
| | 29 | 199 | 248 | 181 | 115 | 116 | 103 | 219 | 82 | 67 | 2 | 1,361 |

TABLE-3.5.3

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY - WOMEN ONLY
by WORK SPECIALTY and YEARS SINCE BS
1982 Survey of ACS Members

| SPECIALTY | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| Biochemistry | --- | --- | 18,000 | --- | --- | --- | --- | --- | --- | --- | --- | 17,484 - 75th %-ile |
| | 20,000 | 20,113 | 25,000 | --- | --- | --- | --- | 30,250 | --- | --- | --- | 21,365 - Median |
| | --- | --- | 27,000 | --- | --- | --- | --- | --- | --- | --- | --- | 26,500 - 25th %-ile |
| | 20,000 | 20,113 | 23,333 | --- | --- | --- | --- | 30,250 | --- | --- | --- | 23,841 - Mean |
| | --- | 3,695 | 4,726 | --- | --- | --- | --- | 19,445 | --- | --- | --- | 3,960 - Std Dev |
| | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 8 - Count |
| Agricultural/ food chemistry | --- | 16,269 | 22,458 | 23,477 | --- | --- | --- | --- | --- | --- | --- | 19,243 |
| | 20,500 | 19,460 | 25,600 | 26,280 | 25,000 | 43,000 | 27,000 | 21,977 | 22,000 | --- | --- | 22,375 |
| | --- | 20,649 | 27,500 | 27,840 | --- | --- | --- | --- | --- | --- | --- | 26,750 |
| | 20,500 | 18,542 | 25,125 | 25,828 | 25,000 | 43,000 | 27,000 | 21,977 | 22,000 | --- | --- | 23,727 |
| | --- | 2,974 | 2,809 | 2,576 | --- | --- | --- | --- | --- | --- | --- | 5,946 |
| | 1 | 6 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 20 |
| Analytical chemistry | 15,750 | 17,353 | 19,810 | 22,112 | 28,500 | 16,303 | --- | --- | --- | --- | --- | 17,488 |
| | 22,000 | 20,083 | 22,000 | 24,500 | 35,000 | 28,410 | 39,944 | --- | 45,700 | 37,250 | --- | 22,300 |
| | 23,550 | 24,203 | 25,848 | 31,013 | 38,000 | 36,840 | --- | --- | --- | --- | --- | 26,550 |
| | 20,711 | 20,849 | 23,082 | 25,839 | 34,431 | 27,263 | 39,944 | --- | 45,700 | 37,250 | --- | 24,181 |
| | 4,700 | 3,612 | 5,015 | 4,842 | 7,363 | 11,752 | 4,322 | --- | 5,798 | 10,960 | --- | 7,457 |
| | 9 | 44 | 27 | 10 | 7 | 6 | 2 | 0 | 2 | 2 | 0 | 109 |
| Environmental chemistry | --- | 11,000 | 16,431 | 21,297 | --- | --- | --- | --- | --- | --- | --- | 17,895 |
| | --- | 19,400 | 28,800 | 23,600 | 40,000 | --- | --- | 24,000 | --- | --- | --- | 23,500 |
| | --- | 23,000 | 32,700 | 26,091 | --- | --- | --- | --- | --- | --- | --- | 28,950 |
| | --- | 17,800 | 25,380 | 23,647 | 40,000 | --- | --- | 24,000 | --- | --- | --- | 24,206 |
| | --- | 6,158 | 8,726 | 2,559 | --- | --- | --- | --- | --- | --- | --- | 7,750 |
| | 0 | 3 | 5 | 4 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 14 |
| Organic chemistry | 17,073 | 19,381 | 22,195 | --- | --- | --- | --- | --- | --- | --- | --- | 20,000 |
| | 21,000 | 21,400 | 27,150 | 22,400 | --- | --- | --- | 35,000 | --- | --- | --- | 21,500 |
| | 21,245 | 22,600 | 30,750 | --- | --- | --- | --- | --- | --- | --- | --- | 25,000 |
| | 19,647 | 21,108 | 26,800 | 22,400 | --- | --- | --- | 35,000 | --- | --- | --- | 22,610 |
| | 2,592 | 1,906 | 4,554 | --- | --- | --- | --- | --- | --- | --- | --- | 4,480 |
| | 6 | 13 | 6 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 27 |
| Inorganic chemistry | 20,000 | 21,825 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20,956 |
| | 23,000 | 22,000 | 20,500 | --- | --- | --- | --- | --- | --- | --- | --- | 22,000 |
| | 25,000 | 24,000 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 24,000 |
| | 22,667 | 22,720 | 20,500 | --- | --- | --- | --- | --- | --- | --- | --- | 22,456 |
| | 2,517 | 1,180 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1,679 |
| | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Pharmaceutical/ medicinal/ clinical chemistry | --- | 18,331 | 24,000 | --- | --- | --- | --- | --- | --- | --- | --- | 19,000 |
| | 19,350 | 19,584 | 24,500 | 20,750 | 35,172 | 36,000 | 32,000 | --- | --- | --- | --- | 22,000 |
| | --- | 21,825 | 25,500 | --- | --- | --- | --- | --- | --- | --- | --- | 25,500 |
| | 19,350 | 20,299 | 25,500 | 20,750 | 35,172 | 36,000 | 32,000 | --- | --- | --- | --- | 23,758 |
| | 919 | 2,592 | 3,512 | 6,010 | --- | 1,414 | --- | --- | --- | --- | --- | 5,905 |
| | 2 | 12 | 7 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 27 |
| Physical chemistry | --- | 13,078 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 17,516 |
| | 20,000 | 19,250 | --- | --- | 39,350 | 31,000 | --- | --- | --- | --- | --- | 22,010 |
| | --- | 22,765 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 35,275 |
| | 20,000 | 18,255 | --- | --- | 39,350 | 31,000 | --- | --- | --- | --- | --- | 25,340 |
| | --- | 5,337 | --- | --- | 3,748 | --- | --- | --- | --- | --- | --- | 10,374 |
| | 1 | 4 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 8 |
| Theoretical chemistry | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Polymer/ macromolecular chemistry | --- | 18,859 | 23,600 | 23,000 | --- | --- | --- | --- | --- | --- | --- | 19,528 |
| | 20,800 | 21,600 | 25,350 | 27,600 | 34,300 | 34,900 | 32,300 | --- | 75,000 | --- | --- | 24,650 |
| | --- | 25,000 | 27,625 | 31,000 | --- | --- | --- | --- | --- | --- | --- | 27,800 |
| | 20,800 | 21,512 | 25,331 | 27,200 | 34,300 | 34,900 | 32,300 | --- | 75,000 | --- | --- | 26,282 |
| | 1,131 | 3,448 | 2,704 | 4,015 | 7,495 | --- | 10,889 | --- | --- | --- | --- | 10,426 |
| | 2 | 14 | 8 | 3 | 2 | 1 | 2 | 0 | 1 | 0 | 0 | 33 |
| Other chemistry | --- | 19,625 | 19,200 | 24,600 | 26,445 | 21,000 | --- | 21,060 | --- | --- | --- | 21,000 |
| | 21,600 | 21,750 | 25,740 | 30,000 | 31,250 | 21,000 | 25,500 | 53,000 | 40,500 | 37,236 | --- | 25,740 |
| | --- | 25,075 | 28,200 | 35,000 | 38,750 | 30,540 | --- | 56,000 | --- | --- | --- | 30,000 |
| | 21,600 | 22,742 | 24,380 | 29,867 | 32,125 | 24,180 | 25,500 | 43,353 | 40,500 | 37,236 | --- | 27,250 |
| | 4,667 | 3,597 | 4,930 | 5,201 | 6,562 | 5,508 | --- | 19,365 | --- | --- | --- | 8,786 |
| | 2 | 10 | 11 | 5 | 4 | 3 | 1 | 3 | 1 | 1 | 0 | 39 |
| TOTAL | 18,700 | 16,875 | 19,570 | 22,750 | 27,669 | 19,566 | 25,500 | 20,648 | 32,406 | 29,500 | --- | 18,313 |
| | 20,500 | 20,460 | 25,000 | 25,000 | 35,086 | 32,660 | 32,000 | 29,500 | 41,600 | 37,236 | --- | 23,000 |
| | 22,000 | 23,126 | 27,375 | 28,000 | 39,700 | 35,500 | 40,000 | 50,750 | 62,400 | 45,000 | --- | 27,000 |
| | 20,603 | 20,820 | 24,323 | 25,607 | 34,277 | 29,787 | 32,715 | 33,942 | 45,780 | 37,245 | --- | 24,581 |
| | 5,230 | 3,437 | 4,778 | 4,810 | 6,483 | 9,467 | 7,386 | 15,419 | 19,241 | 7,750 | --- | 7,665 |
| | 27 | 117 | 72 | 27 | 18 | 14 | 7 | 8 | 5 | 3 | 0 | 294 |

TABLE-3.5.4

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME in PRIVATE INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
1982 Survey of ACS Members

| SPECIALTY | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| Biochemistry | --- | --- | 26,250 | 49,000 | --- | --- | 47,475 | --- | --- | --- | 30,750 | 40,000 - 75th %-ile |
| | --- | 19,200 | 21,900 | 32,500 | 43,500 | 65,000 | 42,350 | 28,000 | --- | 46,600 | 29,500 | 29,000 - Median |
| | --- | --- | 19,500 | 26,900 | --- | --- | 38,500 | --- | --- | --- | 23,750 | 22,000 - 25th %-ile |
| | --- | 19,200 | 23,356 | 36,433 | 43,500 | 65,000 | 42,775 | 28,000 | --- | 46,600 | 28,000 | 33,623 - Mean |
| | --- | --- | 5,344 | 11,254 | 27,577 | --- | 4,685 | 8,485 | --- | 18,950 | 4,082 | 15,738 - Std Dev |
| | 0 | 1 | 9 | 6 | 2 | 1 | 4 | 2 | 0 | 2 | 4 | 31 - Count |
| Agricultural/ food chemistry | --- | --- | 26,600 | 38,305 | 65,000 | --- | 49,250 | 46,250 | --- | --- | 36,500 | 41,000 |
| | --- | --- | 25,000 | 30,500 | 41,000 | 43,500 | 37,367 | 40,000 | 36,800 | 31,000 | 32,000 | 34,000 |
| | --- | --- | 18,000 | 28,150 | 37,000 | --- | 33,000 | 34,000 | --- | --- | 25,250 | 26,600 |
| | --- | --- | 25,623 | 32,126 | 47,667 | 43,500 | 39,622 | 40,611 | 36,800 | 31,000 | 31,250 | 34,905 |
| | --- | --- | 9,787 | 6,897 | 15,144 | 12,021 | 8,129 | 12,267 | --- | --- | 6,944 | 10,555 |
| | 0 | 0 | 7 | 14 | 3 | 2 | 6 | 9 | 1 | 1 | 8 | 51 |
| Analytical chemistry | --- | 27,000 | 29,245 | 35,000 | 37,965 | 41,625 | 45,000 | 44,875 | 40,000 | 40,750 | 33,500 | 36,100 |
| | --- | 23,050 | 26,200 | 30,000 | 32,500 | 35,900 | 39,000 | 38,250 | 34,000 | 33,500 | 28,000 | 30,650 |
| | --- | 20,750 | 23,000 | 26,000 | 30,000 | 30,035 | 33,100 | 31,875 | 24,000 | 30,375 | 25,400 | 26,000 |
| | --- | 23,850 | 26,281 | 30,262 | 34,738 | 35,310 | 39,786 | 39,754 | 35,685 | 36,417 | 29,470 | 32,541 |
| | --- | 3,854 | 4,324 | 6,662 | 8,063 | 6,557 | 11,929 | 10,566 | 7,929 | 9,415 | 6,780 | 8,958 |
| | 0 | 6 | 58 | 59 | 28 | 22 | 19 | 36 | 15 | 6 | 21 | 270 |
| Environmental chemistry | --- | --- | 31,000 | 42,150 | 50,500 | 43,290 | 50,000 | 45,500 | --- | --- | 39,000 | 42,075 |
| | --- | --- | 24,500 | 33,300 | 45,600 | 42,000 | 40,000 | 41,000 | 30,360 | 80,000 | 36,000 | 35,500 |
| | --- | --- | 20,400 | 29,594 | 35,000 | 35,000 | 27,565 | 32,250 | --- | --- | 26,000 | 28,875 |
| | --- | --- | 24,800 | 36,657 | 47,067 | 40,097 | 39,183 | 40,600 | 30,360 | 80,000 | 34,686 | 37,409 |
| | --- | --- | 7,037 | 8,881 | 21,301 | 4,461 | 11,241 | 10,279 | --- | --- | 8,432 | 14,133 |
| | 0 | 0 | 11 | 15 | 9 | 3 | 5 | 10 | 1 | 1 | 7 | 58 |
| Organic chemistry | --- | 25,893 | 32,000 | 32,583 | 41,659 | 58,000 | 51,000 | 48,250 | 58,300 | 55,000 | 46,100 | 45,750 |
| | --- | 24,684 | 30,000 | 30,000 | 37,375 | 40,000 | 45,400 | 39,500 | 48,000 | 40,000 | 30,950 | 36,375 |
| | --- | 23,394 | 25,000 | 23,525 | 31,250 | 35,250 | 40,000 | 34,750 | 36,000 | 38,000 | 25,250 | 30,000 |
| | --- | 24,657 | 28,780 | 29,287 | 38,063 | 46,769 | 44,641 | 42,816 | 47,687 | 46,286 | 33,466 | 39,079 |
| | --- | 1,534 | 3,872 | 6,121 | 9,357 | 18,272 | 7,408 | 10,956 | 12,296 | 14,477 | 10,501 | 12,608 |
| | 0 | 4 | 15 | 16 | 16 | 16 | 17 | 30 | 11 | 7 | 16 | 148 |
| Inorganic chemistry | --- | --- | 32,000 | 29,325 | --- | --- | 56,700 | 55,000 | --- | 43,000 | 51,100 | 44,000 |
| | --- | --- | 26,580 | 26,150 | 30,000 | 36,500 | 45,400 | 47,000 | 41,000 | 40,000 | 40,700 | 38,400 |
| | --- | --- | 24,000 | 23,500 | --- | --- | 41,000 | 40,000 | --- | 37,650 | 23,625 | 26,543 |
| | --- | --- | 27,626 | 26,525 | 30,000 | 36,500 | 47,700 | 46,571 | 41,000 | 40,217 | 39,450 | 37,509 |
| | --- | --- | 3,803 | 5,015 | 8,485 | 10,607 | 8,662 | 11,271 | 1,414 | 2,682 | 14,655 | 11,468 |
| | 0 | 0 | 7 | 4 | 2 | 2 | 4 | 7 | 2 | 3 | 6 | 37 |
| Pharmaceutical/ medicinal/ clinical chemistry | --- | 24,875 | 27,625 | 36,050 | 36,000 | 41,250 | 58,000 | 53,750 | 54,000 | 46,500 | 35,675 | 37,500 |
| | --- | 19,400 | 24,600 | 30,200 | 32,000 | 35,486 | 47,050 | 44,000 | 50,000 | 44,000 | 34,600 | 31,000 |
| | --- | 18,100 | 20,700 | 26,750 | 30,250 | 25,725 | 40,525 | 35,500 | 21,500 | 42,250 | 30,000 | 25,725 |
| | --- | 20,685 | 24,542 | 31,759 | 34,627 | 36,280 | 48,525 | 44,250 | 41,833 | 44,250 | 34,234 | 32,719 |
| | --- | 3,793 | 4,766 | 6,998 | 7,725 | 8,788 | 9,268 | 12,556 | 17,722 | 2,217 | 6,971 | 10,343 |
| | 0 | 6 | 26 | 30 | 16 | 3 | 4 | 3 | 3 | 4 | 17 | 122 |
| Physical chemistry | --- | --- | --- | --- | --- | 52,000 | --- | 60,260 | --- | 61,650 | 50,000 | 54,500 |
| | --- | 22,650 | 24,000 | 30,500 | --- | 42,000 | 57,000 | 44,000 | --- | 57,000 | 35,000 | 41,000 |
| | --- | --- | --- | --- | --- | 41,000 | --- | 37,892 | --- | 37,500 | 22,000 | 29,000 |
| | --- | 22,650 | 24,000 | 30,500 | --- | 45,000 | 57,000 | 48,061 | --- | 52,050 | 35,667 | 41,800 |
| | --- | 1,626 | --- | 6,364 | --- | 6,083 | --- | 12,077 | --- | 13,809 | 14,012 | 14,074 |
| | 0 | 2 | 1 | 2 | 0 | 3 | 1 | 5 | 0 | 4 | 3 | 21 |
| Theoretical chemistry | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | 38,000 | --- | --- | --- | --- | 38,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | 38,000 | --- | --- | --- | --- | 38,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Polymer/ macromolecular chemistry | --- | 26,600 | 31,000 | 36,250 | 40,875 | 43,500 | 44,250 | 50,425 | 45,585 | 50,500 | 41,000 | 43,000 |
| | --- | 24,800 | 29,700 | 32,000 | 35,000 | 33,000 | 41,083 | 43,350 | 38,000 | 44,000 | 32,000 | 34,000 |
| | --- | 23,250 | 24,975 | 28,500 | 30,125 | 30,500 | 39,915 | 38,900 | 27,500 | 41,530 | 24,690 | 29,000 |
| | --- | 24,863 | 28,281 | 33,705 | 36,434 | 37,612 | 44,374 | 46,110 | 42,584 | 48,505 | 35,371 | 36,885 |
| | --- | 2,128 | 4,969 | 7,697 | 12,018 | 8,577 | 14,038 | 11,777 | 19,766 | 15,349 | 12,207 | 12,314 |
| | 0 | 8 | 26 | 24 | 22 | 17 | 14 | 20 | 7 | 8 | 19 | 165 |
| Other chemistry | --- | 31,500 | 32,675 | 34,950 | 38,075 | 40,500 | 50,500 | 61,700 | 44,500 | 68,500 | 48,150 | 46,000 |
| | --- | 25,000 | 27,000 | 25,300 | 32,000 | 32,000 | 47,000 | 41,500 | 37,440 | 55,000 | 38,500 | 35,250 |
| | --- | 24,250 | 24,125 | 23,240 | 27,125 | 25,000 | 28,975 | 35,750 | 33,500 | 41,000 | 27,250 | 27,000 |
| | --- | 27,300 | 28,150 | 28,402 | 33,001 | 33,198 | 42,190 | 43,920 | 38,960 | 55,800 | 38,388 | 38,095 |
| | --- | 4,109 | 5,167 | 8,153 | 7,995 | 13,739 | 11,920 | 17,527 | 8,572 | 15,995 | 12,355 | 14,455 |
| | 0 | 5 | 18 | 9 | 16 | 13 | 10 | 25 | 9 | 9 | 16 | 130 |
| TOTAL | --- | 26,000 | 30,000 | 36,000 | 40,000 | 43,000 | 49,000 | 49,380 | 46,795 | 55,000 | 40,000 | 41,072 |
| | --- | 24,250 | 26,200 | 30,000 | 34,500 | 36,000 | 41,808 | 41,000 | 37,440 | 43,000 | 32,000 | 33,000 |
| | --- | 21,200 | 23,000 | 26,500 | 30,000 | 30,046 | 37,810 | 35,125 | 32,000 | 37,825 | 26,000 | 27,150 |
| | --- | 25,929 | 26,495 | 31,539 | 36,745 | 38,696 | 42,943 | 43,478 | 39,861 | 47,218 | 33,941 | 35,630 |
| | --- | 3,629 | 5,182 | 7,421 | 11,521 | 12,705 | 10,610 | 12,656 | 12,394 | 14,044 | 10,049 | 12,012 |
| | 0 | 32 | 178 | 177 | 114 | 87 | 85 | 152 | 49 | 45 | 117 | 1,034 |

TABLE-3.5.5

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY - MEN Only
by WORK SPECIALTY and YEARS SINCE BS
1982 Survey of ACS Members

| SPECIALTY | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| Biochemistry | --- | --- | 31,500 | 49,000 | --- | --- | 47,475 | --- | --- | --- | 30,750 | 46,350 - 75th %-ile |
| | --- | 19,200 | 24,500 | 32,500 | 68,000 | 65,000 | 42,350 | 28,000 | --- | 60,000 | 29,500 | 31,000 - Median |
| | --- | --- | 21,600 | 26,900 | --- | --- | 38,500 | --- | --- | --- | 23,750 | 25,550 - 25th %-ile |
| | --- | 19,200 | 26,140 | 36,435 | 68,000 | 65,000 | 42,775 | 28,000 | --- | 60,000 | 28,000 | 36,024 - Mean |
| | --- | --- | 5,614 | 11,254 | --- | --- | 4,685 | 8,485 | --- | --- | 4,082 | 14,031 - Std Dev |
| | 0 | 1 | 5 | 6 | 1 | 1 | 4 | 2 | 0 | 1 | 4 | 25 - Count |
| Agricultural/ food chemistry | --- | --- | 31,450 | 38,870 | 65,000 | --- | 49,500 | 48,125 | --- | --- | 36,500 | 41,000 |
| | --- | --- | 25,500 | 30,600 | 41,000 | 43,500 | 37,310 | 40,500 | 36,800 | 31,000 | 32,000 | 35,000 |
| | --- | --- | 20,250 | 29,264 | 37,000 | --- | 32,000 | 36,000 | --- | --- | 25,250 | 29,328 |
| | --- | --- | 27,100 | 32,674 | 47,667 | 43,500 | 40,162 | 43,188 | 36,800 | 31,000 | 31,250 | 35,776 |
| | --- | --- | 9,830 | 6,854 | 15,144 | 12,021 | 8,968 | 10,184 | --- | --- | 6,944 | 10,298 |
| | 0 | 0 | 6 | 13 | 3 | 2 | 5 | 8 | 1 | 1 | 8 | 47 |
| Analytical chemistry | --- | 27,000 | 29,500 | 35,750 | 38,000 | 42,000 | 45,000 | 45,875 | 40,000 | 40,750 | 33,420 | 38,375 |
| | --- | 23,050 | 27,575 | 30,950 | 32,500 | 36,000 | 39,000 | 39,182 | 35,500 | 33,500 | 29,000 | 32,000 |
| | --- | 20,750 | 24,000 | 26,500 | 30,000 | 30,046 | 33,100 | 32,625 | 30,500 | 30,375 | 26,500 | 27,581 |
| | --- | 23,850 | 26,839 | 31,267 | 34,622 | 36,206 | 39,786 | 40,445 | 35,392 | 36,417 | 30,291 | 33,467 |
| | --- | 3,854 | 4,284 | 6,708 | 8,193 | 5,920 | 11,929 | 10,279 | 7,479 | 9,415 | 7,098 | 9,077 |
| | 0 | 6 | 45 | 44 | 27 | 19 | 19 | 34 | 12 | 6 | 14 | 224 |
| Environmental chemistry | --- | --- | 27,625 | 42,150 | 55,250 | 43,290 | 50,000 | 43,500 | --- | --- | 39,000 | 42,825 |
| | --- | --- | 24,500 | 35,300 | 41,800 | 42,000 | 40,000 | 41,000 | 30,360 | 80,000 | 36,000 | 37,150 |
| | --- | --- | 19,200 | 29,594 | 38,500 | 35,000 | 27,563 | 32,250 | --- | --- | 26,000 | 30,000 |
| | --- | --- | 23,683 | 36,637 | 49,325 | 40,097 | 39,188 | 40,600 | 30,360 | 80,000 | 34,686 | 38,654 |
| | --- | --- | 5,517 | 8,881 | 21,589 | 4,461 | 11,241 | 10,279 | --- | --- | 8,432 | 14,193 |
| | 0 | 0 | 6 | 13 | 8 | 3 | 3 | 10 | 1 | 1 | 7 | 52 |
| Organic chemistry | --- | --- | 31,000 | 33,000 | 41,659 | 60,000 | 51,000 | 48,500 | 58,300 | 55,000 | 47,900 | 48,000 |
| | --- | 23,896 | 29,500 | 30,000 | 37,375 | 40,000 | 46,000 | 40,000 | 43,000 | 40,000 | 31,500 | 38,000 |
| | --- | --- | 25,450 | 27,500 | 31,250 | 36,000 | 41,000 | 34,500 | 36,000 | 38,000 | 27,150 | 30,800 |
| | --- | 23,896 | 28,400 | 29,840 | 38,063 | 43,220 | 46,000 | 42,975 | 47,687 | 46,286 | 35,235 | 40,084 |
| | --- | 1,267 | 3,687 | 5,908 | 9,357 | 17,933 | 6,773 | 11,114 | 12,296 | 14,477 | 10,289 | 12,628 |
| | 0 | 2 | 12 | 15 | 16 | 15 | 15 | 29 | 11 | 7 | 13 | 135 |
| Inorganic chemistry | --- | --- | 32,000 | 29,325 | --- | --- | 56,700 | 55,000 | --- | 43,000 | 54,400 | 44,000 |
| | --- | --- | 26,580 | 26,150 | 30,000 | 36,500 | 45,400 | 47,000 | 41,000 | 40,000 | 43,000 | 39,200 |
| | --- | --- | 24,000 | 23,500 | --- | --- | 41,000 | 40,000 | --- | 37,650 | 31,200 | 26,760 |
| | --- | --- | 27,626 | 26,325 | 30,000 | 36,500 | 47,700 | 46,571 | 41,000 | 40,217 | 42,340 | 37,926 |
| | --- | --- | 3,803 | 13,015 | 8,485 | 10,607 | 8,662 | 11,271 | 1,414 | 2,682 | 15,501 | 11,342 |
| | 0 | 0 | 7 | 4 | 2 | 2 | 4 | 7 | 2 | 3 | 5 | 36 |
| Pharmaceutical/ medicinal/ clinical chemistry | --- | 24,500 | 27,500 | 37,000 | 36,000 | 55,000 | 60,000 | 55,000 | 54,000 | 46,500 | 37,500 | 42,000 |
| | --- | 18,800 | 24,250 | 33,000 | 31,750 | 32,971 | 52,000 | 46,000 | 50,000 | 44,000 | 34,800 | 32,971 |
| | --- | 16,000 | 20,000 | 27,000 | 29,700 | 27,450 | 42,100 | 41,000 | 21,500 | 42,250 | 30,500 | 27,000 |
| | --- | 19,767 | 24,523 | 32,469 | 34,478 | 39,574 | 51,567 | 47,000 | 41,833 | 44,250 | 34,869 | 34,377 |
| | --- | 4,332 | 5,335 | 7,522 | 8,160 | 17,141 | 8,967 | 10,646 | 17,722 | 2,217 | 7,331 | 10,935 |
| | 0 | 3 | 15 | 23 | 14 | 5 | 3 | 7 | 3 | 4 | 14 | 91 |
| Physical chemistry | --- | --- | --- | --- | --- | 52,000 | --- | 60,260 | --- | 61,650 | 50,000 | 54,750 |
| | --- | 22,650 | --- | 30,500 | --- | 42,000 | 57,000 | 44,000 | --- | 57,000 | 35,000 | 41,500 |
| | --- | --- | --- | --- | --- | 41,000 | --- | 37,892 | --- | 37,500 | 22,000 | 32,750 |
| | --- | 22,650 | --- | 30,500 | --- | 45,000 | 57,000 | 48,061 | --- | 52,050 | 35,667 | 42,690 |
| | --- | 1,626 | --- | 6,364 | --- | 6,083 | --- | 12,077 | --- | 13,809 | 14,012 | 13,820 |
| | 0 | 2 | 0 | 2 | 0 | 3 | 1 | 5 | 0 | 4 | 3 | 20 |
| Theoretical chemistry | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Polymer/ macromolecular chemistry | --- | 27,100 | 30,250 | 38,500 | 43,713 | 43,500 | 44,500 | 50,423 | 45,585 | 50,500 | 46,250 | 44,000 |
| | --- | 25,800 | 27,000 | 32,000 | 36,850 | 40,500 | 41,167 | 43,350 | 38,000 | 44,000 | 39,775 | 37,000 |
| | --- | 23,375 | 24,700 | 29,000 | 32,000 | 30,900 | 39,830 | 38,900 | 27,500 | 41,530 | 30,000 | 30,000 |
| | --- | 25,517 | 27,244 | 34,039 | 38,836 | 38,086 | 44,687 | 46,110 | 42,584 | 48,505 | 37,978 | 38,280 |
| | --- | 2,291 | 5,202 | 8,069 | 11,381 | 8,533 | 14,560 | 11,777 | 19,766 | 13,349 | 11,345 | 12,548 |
| | 0 | 6 | 17 | 21 | 18 | 13 | 13 | 20 | 7 | 8 | 16 | 139 |
| Other chemistry | --- | 32,450 | 32,400 | 34,950 | 38,000 | 44,100 | 51,000 | 62,400 | 46,250 | 70,250 | 50,000 | 47,400 |
| | --- | 27,500 | 27,000 | 25,300 | 32,000 | 40,000 | 48,000 | 42,500 | 38,100 | 50,900 | 37,000 | 35,500 |
| | --- | 23,875 | 24,500 | 23,240 | 27,000 | 22,500 | 36,000 | 35,500 | 32,750 | 40,500 | 27,500 | 27,000 |
| | --- | 27,875 | 28,193 | 28,402 | 32,468 | 34,578 | 44,000 | 49,717 | 39,150 | 52,775 | 38,615 | 38,630 |
| | --- | 4,506 | 5,200 | 8,153 | 7,976 | 15,999 | 11,091 | 17,858 | 9,144 | 16,780 | 12,480 | 14,875 |
| | 0 | 4 | 15 | 9 | 15 | 9 | 9 | 23 | 8 | 8 | 13 | 113 |
| TOTAL | --- | 26,000 | 30,000 | 36,000 | 40,000 | 43,900 | 49,750 | 50,000 | 48,000 | 55,000 | 40,600 | 42,525 |
| | --- | 24,250 | 26,600 | 30,850 | 35,000 | 40,000 | 42,500 | 42,000 | 38,500 | 43,000 | 33,000 | 35,000 |
| | --- | 21,200 | 23,250 | 26,835 | 30,525 | 32,000 | 38,625 | 35,690 | 33,000 | 38,000 | 27,950 | 28,000 |
| | --- | 24,087 | 26,827 | 32,177 | 37,290 | 40,218 | 43,608 | 44,068 | 40,782 | 47,200 | 35,115 | 36,886 |
| | --- | 3,924 | 5,048 | 7,574 | 11,678 | 12,971 | 10,761 | 12,499 | 12,369 | 14,027 | 9,999 | 12,201 |
| | 0 | 24 | 126 | 150 | 104 | 72 | 76 | 145 | 45 | 43 | 97 | 882 |

TABLE-3.5.6

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY - WOMEN Only
by WORK FUNCTION and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIALTY | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| Biochemistry | --- | --- | 22,125 | --- | --- | --- | --- | --- | --- | --- | --- | 30,050 - 75th %-ile |
| | --- | --- | 19,500 | --- | 29,000 | --- | --- | --- | --- | 33,200 | --- | 21,750 - Median |
| | --- | --- | 18,000 | --- | --- | --- | --- | --- | --- | --- | --- | 18,000 - 25th %-ile |
| | --- | --- | 19,875 | --- | 29,000 | --- | --- | --- | --- | 33,200 | --- | 23,617 - Mean |
| | --- | --- | 2,250 | --- | --- | --- | --- | --- | --- | --- | --- | 6,197 - Std Dev |
| | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 6 - Count |
| Agricultural/ | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 33,942 |
| food chemistry | --- | --- | 16,760 | 25,000 | --- | --- | 36,923 | 20,000 | --- | --- | --- | 22,500 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 17,570 |
| | --- | --- | 16,760 | 25,000 | --- | --- | 36,923 | 20,000 | --- | --- | --- | 24,671 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 8,843 |
| | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |
| Analytical | --- | --- | 28,000 | 30,000 | --- | 36,000 | --- | --- | 34,600 | --- | 34,000 | 31,738 |
| chemistry | --- | --- | 24,200 | 27,500 | 37,860 | 33,500 | --- | 28,000 | 23,272 | --- | 27,500 | 26,500 |
| | --- | --- | 21,960 | 25,200 | --- | 19,400 | --- | --- | 22,700 | --- | 22,500 | 22,925 |
| | --- | --- | 24,508 | 27,315 | 37,860 | 29,633 | --- | 28,000 | 26,857 | --- | 27,829 | 26,858 |
| | --- | --- | 4,062 | 5,760 | --- | 8,950 | --- | 11,314 | 6,711 | --- | 6,275 | 5,867 |
| | 0 | 0 | 15 | 15 | 1 | 3 | 0 | 2 | 3 | 0 | 7 | 46 |
| Environmental | --- | --- | 35,500 | --- | --- | --- | --- | --- | --- | --- | --- | 34,650 |
| chemistry | --- | --- | 24,500 | --- | 29,000 | --- | --- | --- | --- | --- | --- | 26,750 |
| | --- | --- | 17,800 | --- | --- | --- | --- | --- | --- | --- | --- | 19,100 |
| | --- | --- | 26,140 | --- | 29,000 | --- | --- | --- | --- | --- | --- | 26,617 |
| | --- | --- | 9,035 | --- | --- | --- | --- | --- | --- | --- | --- | 8,165 |
| | 0 | 0 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Organic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 34,000 | 34,000 |
| chemistry | --- | 25,418 | 29,250 | 21,000 | --- | --- | 34,900 | --- | --- | --- | 23,000 | 24,576 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20,400 | 22,000 |
| | --- | 25,418 | 29,250 | 21,000 | --- | --- | 34,900 | --- | --- | --- | 25,800 | 26,960 |
| | --- | 1,191 | 6,718 | --- | --- | --- | --- | --- | --- | --- | 7,219 | 5,795 |
| | 0 | 2 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 9 |
| Inorganic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| chemistry | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 22,500 | 22,500 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 22,500 | 22,500 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Pharmaceutical/ | --- | 26,000 | 28,300 | 34,550 | --- | 39,000 | --- | --- | --- | --- | 35,000 | 33,250 |
| medicinal/ | --- | 19,800 | 24,950 | 29,645 | 35,674 | 34,000 | 40,000 | 25,000 | --- | --- | 33,000 | 27,445 |
| clinical | --- | 19,000 | 21,500 | 26,750 | --- | 19,288 | --- | --- | --- | --- | 25,800 | 22,000 |
| chemistry | --- | 21,600 | 24,567 | 30,415 | 35,674 | 30,765 | 40,000 | 25,000 | --- | --- | 31,267 | 27,999 |
| | --- | 3,831 | 4,114 | 4,119 | 5,196 | 10,247 | --- | --- | --- | --- | 4,339 | 6,380 |
| | 0 | 3 | 11 | 6 | 2 | 5 | 1 | 1 | 0 | 0 | 3 | 30 |
| Physical | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| chemistry | --- | --- | 24,000 | --- | --- | --- | --- | --- | --- | --- | --- | 24,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | 24,000 | --- | --- | --- | --- | --- | --- | --- | --- | 24,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Theoretical | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| chemistry | --- | --- | --- | --- | --- | --- | 38,000 | --- | --- | --- | --- | 38,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | 38,000 | --- | --- | --- | --- | 38,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Polymer/ | --- | --- | 33,584 | 34,000 | 32,000 | 46,275 | --- | --- | --- | --- | --- | 33,500 |
| macromolecular | --- | 23,500 | 30,000 | 34,000 | 28,750 | 32,000 | 40,300 | --- | --- | --- | 24,200 | 30,000 |
| chemistry | --- | --- | 27,000 | 26,100 | 16,125 | 29,950 | --- | --- | --- | --- | --- | 25,550 |
| | --- | 23,500 | 30,241 | 31,367 | 25,625 | 36,075 | 40,300 | --- | --- | --- | 24,200 | 29,951 |
| | --- | 707 | 4,054 | 4,561 | 9,304 | 9,849 | --- | --- | --- | --- | 4,245 | 7,160 |
| | 0 | 2 | 9 | 5 | 4 | 4 | 1 | 0 | 0 | 0 | 2 | 25 |
| Other | --- | --- | 34,800 | --- | --- | 37,625 | --- | --- | --- | --- | 48,200 | 41,250 |
| chemistry | --- | 25,000 | 26,000 | --- | 41,000 | 27,190 | 25,900 | 39,750 | 37,440 | 62,000 | 43,000 | 34,800 |
| | --- | --- | 23,000 | --- | --- | 25,470 | --- | --- | --- | --- | 21,000 | 25,450 |
| | --- | 25,000 | 27,933 | --- | 41,000 | 30,095 | 25,900 | 39,750 | 37,440 | 62,000 | 37,400 | 34,542 |
| | --- | --- | 6,133 | --- | --- | 7,347 | --- | 2,475 | --- | --- | 14,439 | 10,951 |
| | 0 | 1 | 3 | 0 | 1 | 4 | 1 | 2 | 1 | 1 | 3 | 17 |
| TOTAL | --- | 25,750 | 30,000 | 32,238 | 38,232 | 36,750 | 40,075 | 38,875 | 36,750 | --- | 34,000 | 34,000 |
| | --- | 24,288 | 24,800 | 27,640 | 30,500 | 32,000 | 37,462 | 30,500 | 28,936 | 47,600 | 27,200 | 27,350 |
| | --- | 20,600 | 21,960 | 25,800 | 28,875 | 26,410 | 32,650 | 20,000 | 22,845 | --- | 22,500 | 23,000 |
| | --- | 23,455 | 25,555 | 28,166 | 31,071 | 31,848 | 36,004 | 30,083 | 29,505 | 47,600 | 28,900 | 28,347 |
| | --- | 2,718 | 5,429 | 5,382 | 8,171 | 8,436 | 5,340 | 9,565 | 7,618 | 20,365 | 8,989 | 7,474 |
| | 0 | 8 | 51 | 26 | 10 | 14 | 6 | 6 | 4 | 2 | 19 | 146 |

TABLE-3.5.7

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
1982 Survey of ACS Members

| SPECIALTY | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| Biochemistry | --- | --- | 34,125 | 38,625 | 44,900 | 55,350 | 80,000 | 73,500 | --- | 77,350 | 47,750 | 50,825 - 75th %-ile |
| | --- | --- | 31,550 | 35,444 | 37,500 | 46,850 | 49,000 | 68,500 | 76,000 | 44,950 | 37,500 | 39,500 - Median |
| | --- | --- | 28,550 | 30,684 | 34,075 | 34,000 | 36,000 | 40,000 | --- | 40,000 | 29,500 | 32,625 - 25th %-ile |
| | --- | --- | 31,667 | 36,175 | 39,195 | 46,564 | 55,707 | 59,389 | 76,000 | 54,100 | 37,920 | 43,645 - Mean |
| | --- | --- | 4,298 | 7,775 | 8,305 | 12,122 | 21,827 | 18,051 | 55,941 | 22,098 | 9,883 | 15,574 - Std Dev |
| | 0 | 0 | 6 | 22 | 18 | 14 | 7 | 9 | 2 | 4 | 10 | 92 - Count |
| Agricultural/ food chemistry | --- | --- | 34,950 | 42,575 | 48,600 | 55,125 | 53,250 | 57,500 | 60,000 | 74,000 | 48,000 | 49,000 |
| | --- | --- | 32,200 | 36,000 | 39,400 | 42,625 | 45,500 | 50,500 | 50,000 | 54,000 | 42,800 | 42,000 |
| | --- | --- | 30,540 | 32,750 | 35,300 | 39,450 | 39,175 | 47,971 | 45,000 | 37,875 | 38,088 | 35,750 |
| | --- | --- | 32,452 | 37,071 | 43,500 | 47,524 | 46,850 | 52,661 | 52,714 | 55,550 | 45,744 | 44,965 |
| | --- | --- | 2,440 | 6,335 | 18,676 | 13,894 | 10,997 | 9,211 | 13,915 | 19,790 | 14,441 | 13,740 |
| | 0 | 0 | 12 | 14 | 11 | 18 | 12 | 12 | 7 | 5 | 11 | 102 |
| Analytical chemistry | --- | --- | 36,500 | 39,800 | 43,600 | 51,559 | 58,600 | 59,000 | 64,000 | 61,500 | 45,875 | 46,000 |
| | --- | 25,500 | 33,000 | 36,250 | 39,500 | 45,800 | 47,000 | 52,150 | 45,500 | 55,500 | 36,000 | 38,950 |
| | --- | --- | 30,000 | 30,625 | 35,000 | 41,249 | 42,100 | 40,175 | 40,262 | 46,170 | 32,450 | 34,000 |
| | --- | 25,500 | 33,048 | 35,690 | 39,085 | 47,983 | 49,124 | 49,586 | 50,860 | 55,265 | 41,701 | 41,566 |
| | --- | 7,778 | 5,855 | 6,386 | 6,802 | 10,331 | 11,967 | 11,614 | 12,494 | 10,284 | 14,114 | 11,303 |
| | 0 | 2 | 51 | 64 | 71 | 44 | 25 | 28 | 19 | 12 | 42 | 358 |
| Environmental chemistry | --- | --- | 34,025 | 43,500 | 42,500 | 57,750 | 65,500 | 57,050 | 52,800 | --- | 48,500 | 50,820 |
| | --- | --- | 28,050 | 36,000 | 31,500 | 48,400 | 51,000 | 47,000 | 50,460 | 50,500 | 34,000 | 44,000 |
| | --- | --- | 24,250 | 31,440 | 24,750 | 44,175 | 40,950 | 44,000 | 41,000 | --- | 23,750 | 35,800 |
| | --- | --- | 28,775 | 37,342 | 33,500 | 50,280 | 52,225 | 50,187 | 53,737 | 50,300 | 35,700 | 44,474 |
| | --- | --- | 5,203 | 6,662 | 10,762 | 9,614 | 12,182 | 9,085 | 18,907 | 13,718 | 14,043 | 13,583 |
| | 0 | 0 | 4 | 9 | 9 | 10 | 8 | 12 | 7 | 2 | 5 | 66 |
| Organic chemistry | --- | --- | 34,416 | 43,275 | 48,000 | 55,000 | 68,000 | 59,250 | 59,500 | 62,900 | 50,000 | 51,000 |
| | --- | --- | 33,000 | 38,000 | 43,500 | 47,000 | 52,000 | 50,760 | 50,000 | 51,000 | 44,000 | 43,150 |
| | --- | --- | 31,000 | 32,738 | 38,000 | 41,475 | 45,000 | 41,925 | 41,283 | 44,300 | 35,000 | 35,000 |
| | --- | --- | 32,615 | 39,067 | 43,365 | 49,762 | 54,247 | 51,345 | 51,204 | 54,768 | 44,228 | 45,026 |
| | --- | --- | 3,230 | 8,741 | 7,570 | 13,715 | 14,080 | 14,575 | 15,322 | 16,285 | 11,374 | 13,133 |
| | 0 | 0 | 63 | 92 | 96 | 64 | 59 | 58 | 28 | 31 | 55 | 526 |
| Inorganic chemistry | --- | --- | 33,450 | 38,850 | 44,750 | 58,275 | 49,750 | 70,500 | 67,750 | --- | 40,635 | 47,375 |
| | --- | --- | 32,300 | 35,050 | 38,650 | 50,050 | 47,250 | 57,000 | 60,500 | 56,000 | 35,100 | 37,000 |
| | --- | --- | 30,360 | 31,857 | 35,750 | 34,750 | 41,500 | 41,000 | 48,750 | --- | 29,350 | 32,775 |
| | --- | --- | 32,277 | 36,422 | 40,408 | 48,904 | 46,468 | 56,000 | 59,000 | 56,000 | 37,025 | 40,538 |
| | --- | --- | 2,425 | 6,999 | 7,449 | 12,214 | 5,688 | 16,386 | 10,360 | 15,556 | 11,109 | 10,914 |
| | 0 | 0 | 21 | 34 | 22 | 14 | 10 | 5 | 4 | 2 | 12 | 124 |
| Pharmaceutical/ medicinal/ clinical chemistry | --- | --- | 34,000 | 38,200 | 49,666 | 55,000 | 57,000 | 65,000 | 54,000 | 80,000 | 55,500 | 53,000 |
| | --- | --- | 31,377 | 35,000 | 42,000 | 48,750 | 51,400 | 59,640 | 44,000 | 70,000 | 44,000 | 42,250 |
| | --- | --- | 30,375 | 31,000 | 35,750 | 40,750 | 42,000 | 46,475 | 40,000 | 55,000 | 35,000 | 35,000 |
| | --- | --- | 31,969 | 35,428 | 43,229 | 50,099 | 50,587 | 58,315 | 48,414 | 66,930 | 47,451 | 45,835 |
| | --- | --- | 2,971 | 6,473 | 12,138 | 14,232 | 10,682 | 14,269 | 13,449 | 18,532 | 14,795 | 14,707 |
| | 0 | 0 | 16 | 54 | 49 | 38 | 23 | 25 | 11 | 11 | 42 | 269 |
| Physical chemistry | --- | --- | 38,000 | 39,400 | 50,000 | 57,708 | 70,000 | 62,250 | 67,104 | 57,000 | 52,750 | 52,000 |
| | --- | 60,000 | 35,420 | 36,200 | 43,200 | 46,220 | 50,785 | 50,000 | 50,568 | 49,000 | 42,250 | 43,500 |
| | --- | --- | 32,130 | 32,000 | 39,600 | 40,000 | 48,250 | 40,400 | 45,050 | 45,000 | 35,500 | 37,100 |
| | --- | 60,000 | 35,096 | 37,167 | 45,433 | 49,522 | 57,839 | 51,981 | 55,950 | 52,027 | 44,650 | 46,678 |
| | --- | --- | 5,691 | 5,963 | 8,432 | 11,285 | 15,683 | 17,371 | 17,795 | 12,055 | 11,125 | 13,374 |
| | 0 | 1 | 24 | 23 | 39 | 27 | 20 | 24 | 8 | 11 | 14 | 191 |
| Theoretical chemistry | --- | --- | --- | --- | 42,000 | --- | --- | --- | --- | --- | --- | 48,500 |
| | --- | --- | --- | 33,000 | 39,400 | --- | --- | 55,000 | --- | --- | --- | 39,400 |
| | --- | --- | --- | --- | 35,000 | --- | --- | --- | --- | --- | --- | 34,000 |
| | --- | --- | --- | 33,000 | 38,800 | --- | --- | 55,000 | --- | --- | --- | 40,880 |
| | --- | --- | --- | --- | 3,538 | --- | --- | --- | --- | --- | --- | 8,653 |
| | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 5 |
| Polymer/ macromolecular chemistry | --- | --- | 35,400 | 42,000 | 48,850 | 54,475 | 60,000 | 61,750 | 60,000 | 75,000 | 52,650 | 54,000 |
| | --- | --- | 33,000 | 38,000 | 42,000 | 46,800 | 51,000 | 54,720 | 49,500 | 59,000 | 41,000 | 43,530 |
| | --- | --- | 30,470 | 34,850 | 38,500 | 40,860 | 44,500 | 45,375 | 38,725 | 44,000 | 34,700 | 36,885 |
| | --- | --- | 35,262 | 39,142 | 45,243 | 50,037 | 52,025 | 54,587 | 49,059 | 57,707 | 44,392 | 46,299 |
| | --- | --- | 5,216 | 7,000 | 7,842 | 15,682 | 11,546 | 15,409 | 13,809 | 17,002 | 11,893 | 12,885 |
| | 0 | 0 | 41 | 64 | 73 | 62 | 61 | 56 | 18 | 23 | 74 | 472 |
| Other chemistry | --- | --- | 41,880 | 46,000 | 54,350 | 54,675 | 57,500 | 62,250 | 66,125 | 82,500 | 62,000 | 55,144 |
| | --- | --- | 38,100 | 38,000 | 42,000 | 45,500 | 47,000 | 55,192 | 50,650 | 63,308 | 44,000 | 44,750 |
| | --- | --- | 31,125 | 32,500 | 36,350 | 40,000 | 39,000 | 44,200 | 46,500 | 43,600 | 33,895 | 38,000 |
| | --- | --- | 36,760 | 38,245 | 44,046 | 47,294 | 51,750 | 55,335 | 56,792 | 63,137 | 46,699 | 47,728 |
| | --- | --- | 5,675 | 10,781 | 9,892 | 12,693 | 18,152 | 12,539 | 15,026 | 18,972 | 15,070 | 14,916 |
| | 0 | 0 | 12 | 27 | 29 | 32 | 23 | 21 | 12 | 11 | 21 | 188 |
| TOTAL | --- | 60,000 | 35,010 | 41,000 | 47,150 | 55,000 | 60,000 | 62,000 | 60,000 | 67,000 | 51,595 | 51,350 |
| | --- | 31,000 | 33,000 | 36,500 | 41,050 | 46,800 | 50,000 | 52,000 | 50,000 | 54,644 | 40,450 | 42,000 |
| | --- | 20,000 | 30,580 | 32,525 | 36,613 | 41,000 | 42,000 | 44,000 | 42,340 | 44,475 | 34,150 | 35,000 |
| | --- | 57,000 | 33,085 | 37,405 | 42,269 | 49,064 | 52,026 | 55,479 | 52,595 | 56,911 | 43,961 | 44,882 |
| | --- | 20,664 | 5,675 | 7,612 | 9,117 | 12,715 | 13,402 | 13,852 | 14,971 | 16,348 | 12,969 | 13,343 |
| | 0 | 3 | 250 | 404 | 420 | 325 | 228 | 251 | 116 | 112 | 286 | 2,595 |

TABLE-3.5.8

SALARIES of FULL-TIME EMPLOYED PH.D. CHEMISTS IN PRIVATE INDUSTRY - MEN Only
by WORK SPECIALTY and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIALTY | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| Biochemistry | --- | --- | 37,000 | 43,000 | 48,300 | 55,700 | 81,875 | 73,500 | --- | 77,350 | 50,000 | 53,375 - 75th %-ile |
| | --- | --- | 30,200 | 37,000 | 39,000 | 47,700 | 55,750 | 64,500 | 76,000 | 44,950 | 40,000 | 40,675 - Median |
| | --- | --- | 26,850 | 32,000 | 33,025 | 36,000 | 42,750 | 40,000 | --- | 40,000 | 35,000 | 35,000 - 25th %-ile |
| | --- | --- | 31,350 | 37,907 | 39,616 | 47,454 | 60,000 | 59,389 | 76,000 | 54,100 | 42,143 | 46,088 - Mean |
| | --- | --- | 5,510 | 8,663 | 8,740 | 12,132 | 20,418 | 18,031 | 33,941 | 22,098 | 8,275 | 16,013 - Std Dev |
| | 0 | 0 | 4 | 15 | 16 | 13 | 6 | 9 | 2 | 4 | 7 | 76 - Count |
| Agricultural/ food chemistry | --- | --- | 35,000 | 42,575 | 49,800 | 53,125 | 53,250 | 57,500 | 60,000 | 74,000 | 48,000 | 49,000 |
| | --- | --- | 32,400 | 36,000 | 41,200 | 42,625 | 43,500 | 50,500 | 50,000 | 54,000 | 42,800 | 42,125 |
| | --- | --- | 30,520 | 32,750 | 31,725 | 39,450 | 39,175 | 47,971 | 43,000 | 37,875 | 38,088 | 36,000 |
| | --- | --- | 32,493 | 37,071 | 44,200 | 47,524 | 46,850 | 52,661 | 52,714 | 55,550 | 45,744 | 45,179 |
| | --- | --- | 2,555 | 6,335 | 19,533 | 13,894 | 10,997 | 9,211 | 13,913 | 19,790 | 14,441 | 13,789 |
| | 0 | 0 | 11 | 14 | 10 | 18 | 12 | 12 | 7 | 5 | 11 | 100 |
| Analytical chemistry | --- | --- | 35,010 | 39,700 | 43,700 | 50,676 | 58,600 | 59,000 | 65,150 | 61,500 | 47,250 | 47,000 |
| | --- | 25,500 | 32,080 | 36,500 | 39,500 | 45,800 | 47,000 | 52,150 | 46,750 | 55,500 | 36,700 | 39,600 |
| | --- | --- | 29,938 | 30,750 | 35,000 | 41,746 | 42,100 | 40,175 | 40,197 | 46,170 | 32,450 | 34,070 |
| | --- | 25,500 | 32,358 | 35,642 | 39,245 | 43,139 | 49,124 | 49,586 | 51,191 | 53,265 | 42,549 | 41,977 |
| | --- | 7,778 | 3,792 | 6,396 | 6,741 | 10,359 | 11,961 | 11,614 | 12,770 | 10,284 | 14,585 | 11,513 |
| | 0 | 2 | 38 | 61 | 69 | 42 | 25 | 28 | 18 | 12 | 38 | 335 |
| Environmental chemistry | --- | --- | --- | 44,250 | 42,625 | 58,500 | 5,500 | 57,540 | 52,800 | --- | 48,500 | 52,950 |
| | --- | --- | 33,050 | 39,000 | 30,750 | 48,800 | 51,000 | 46,600 | 50,460 | 50,300 | 34,000 | 45,000 |
| | --- | --- | --- | 31,125 | 23,125 | 46,400 | 40,950 | 44,000 | 41,000 | --- | 23,750 | 38,125 |
| | --- | --- | 33,050 | 38,125 | 32,563 | 51,567 | 52,225 | 50,365 | 53,737 | 50,300 | 35,700 | 45,902 |
| | --- | --- | 2,758 | 6,860 | 11,105 | 9,259 | 12,182 | 9,501 | 18,907 | 13,718 | 14,045 | 13,865 |
| | 0 | 0 | 2 | 4 | 8 | 9 | 8 | 11 | 7 | 2 | 5 | 56 |
| Organic chemistry | --- | --- | 34,500 | 42,825 | 48,000 | 55,000 | 64,000 | 59,250 | 60,450 | 63,450 | 50,000 | 51,000 |
| | --- | --- | 33,000 | 38,000 | 44,000 | 47,000 | 52,250 | 50,760 | 50,500 | 51,800 | 44,100 | 44,000 |
| | --- | --- | 31,000 | 32,630 | 38,000 | 41,825 | 44,500 | 41,925 | 43,980 | 44,650 | 35,000 | 35,000 |
| | --- | --- | 32,681 | 38,972 | 43,567 | 49,902 | 54,307 | 51,845 | 52,233 | 55,562 | 44,433 | 45,343 |
| | --- | --- | 3,297 | 8,584 | 7,533 | 13,503 | 14,425 | 14,575 | 15,404 | 16,531 | 11,618 | 13,246 |
| | 0 | 0 | 57 | 86 | 90 | 62 | 38 | 58 | 26 | 29 | 51 | 497 |
| Inorganic chemistry | --- | --- | 33,525 | 38,450 | 46,250 | 58,650 | 49,750 | 70,500 | 67,750 | --- | 41,000 | 47,840 |
| | --- | --- | 32,350 | 35,050 | 38,650 | 50,100 | 47,250 | 57,000 | 60,500 | 56,000 | 35,000 | 37,000 |
| | --- | --- | 30,180 | 32,307 | 36,250 | 34,500 | 41,500 | 41,000 | 43,750 | --- | 28,300 | 33,000 |
| | --- | --- | 32,341 | 36,544 | 40,899 | 49,050 | 46,468 | 56,000 | 59,000 | 56,000 | 37,191 | 40,800 |
| | --- | --- | 2,469 | 7,084 | 7,137 | 12,700 | 5,688 | 16,386 | 10,360 | 15,556 | 11,636 | 11,049 |
| | 0 | 0 | 20 | 32 | 20 | 13 | 10 | 5 | 4 | 2 | 11 | 117 |
| Pharmaceutical/ medicinal/ clinical chemistry | --- | --- | 34,500 | 39,000 | 50,000 | 54,750 | 57,000 | 65,000 | 60,000 | 77,992 | 57,000 | 54,000 |
| | --- | --- | 31,254 | 35,000 | 42,000 | 48,750 | 51,400 | 59,820 | 44,000 | 67,300 | 47,600 | 43,200 |
| | --- | --- | 29,250 | 32,500 | 36,500 | 40,250 | 42,000 | 46,368 | 40,000 | 47,625 | 36,000 | 35,000 |
| | --- | --- | 32,000 | 36,330 | 43,622 | 49,139 | 50,587 | 58,745 | 50,000 | 63,137 | 48,537 | 46,345 |
| | --- | --- | 3,261 | 6,516 | 12,026 | 13,153 | 10,682 | 14,409 | 14,414 | 17,066 | 14,785 | 14,179 |
| | 0 | 0 | 13 | 45 | 47 | 36 | 23 | 24 | 9 | 9 | 39 | 245 |
| Physical chemistry | --- | --- | 38,000 | 41,350 | 50,000 | 56,500 | 70,000 | 62,250 | 69,472 | 57,000 | 52,750 | 52,000 |
| | --- | 60,000 | 35,040 | 36,100 | 43,200 | 45,860 | 50,570 | 50,000 | 50,136 | 49,000 | 42,250 | 43,500 |
| | --- | --- | 32,000 | 32,250 | 39,800 | 40,000 | 48,000 | 40,400 | 45,000 | 45,000 | 35,500 | 37,680 |
| | --- | 60,000 | 35,057 | 37,347 | 45,235 | 49,207 | 57,198 | 51,931 | 56,657 | 52,027 | 44,650 | 46,674 |
| | --- | --- | 3,769 | 6,292 | 8,226 | 11,387 | 15,842 | 17,571 | 19,099 | 12,055 | 11,125 | 13,414 |
| | 0 | 1 | 23 | 20 | 37 | 26 | 19 | 24 | 7 | 11 | 14 | 182 |
| Theoretical chemistry | --- | --- | --- | --- | 42,000 | --- | --- | --- | --- | --- | --- | 48,500 |
| | --- | --- | --- | 33,000 | 39,400 | --- | --- | 55,000 | --- | --- | --- | 39,400 |
| | --- | --- | --- | --- | 35,000 | --- | --- | --- | --- | --- | --- | 34,000 |
| | --- | --- | --- | 33,000 | 38,800 | --- | --- | 55,000 | --- | --- | --- | 39,880 |
| | --- | --- | --- | --- | 3,538 | --- | --- | --- | --- | --- | --- | 3,653 |
| | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 5 |
| Polymer/ macromolecular chemistry | --- | --- | 35,400 | 42,000 | 49,400 | 54,825 | 60,300 | 61,750 | 55,200 | 65,000 | 53,000 | 54,180 |
| | --- | --- | 32,880 | 38,250 | 42,000 | 46,900 | 51,000 | 54,720 | 49,000 | 59,000 | 41,000 | 44,000 |
| | --- | --- | 30,525 | 35,000 | 38,450 | 41,250 | 44,500 | 45,375 | 37,150 | 45,000 | 34,600 | 37,100 |
| | --- | --- | 33,138 | 39,476 | 43,366 | 50,487 | 52,025 | 54,587 | 48,394 | 58,193 | 44,601 | 46,668 |
| | --- | --- | 2,972 | 7,109 | 8,027 | 13,662 | 11,546 | 13,409 | 13,952 | 16,183 | 12,064 | 12,866 |
| | 0 | 0 | 34 | 58 | 69 | 60 | 61 | 56 | 17 | 19 | 69 | 443 |
| Other chemistry | --- | --- | 42,550 | 46,000 | 54,700 | 55,000 | 62,750 | 62,250 | 66,125 | 83,125 | 63,000 | 56,000 |
| | --- | --- | 39,500 | 38,000 | 43,000 | 46,000 | 50,000 | 55,192 | 50,650 | 58,654 | 44,000 | 45,000 |
| | --- | --- | 33,575 | 33,600 | 35,700 | 40,000 | 39,250 | 44,200 | 46,500 | 42,450 | 33,342 | 38,000 |
| | --- | --- | 37,912 | 38,543 | 44,345 | 48,013 | 52,561 | 55,335 | 56,792 | 62,241 | 46,259 | 48,264 |
| | --- | --- | 5,190 | 11,063 | 10,184 | 12,222 | 18,775 | 12,539 | 15,026 | 19,751 | 15,322 | 14,927 |
| | 0 | 0 | 10 | 23 | 27 | 31 | 21 | 21 | 12 | 10 | 20 | 175 |
| TOTAL | --- | 60,000 | 35,000 | 41,400 | 47,475 | 55,000 | 60,300 | 62,000 | 60,000 | 65,000 | 52,000 | 52,000 |
| | --- | 51,000 | 33,000 | 36,696 | 41,500 | 46,850 | 50,000 | 52,500 | 50,000 | 54,288 | 41,000 | 42,843 |
| | --- | 29,000 | 30,625 | 33,000 | 36,850 | 41,000 | 42,000 | 44,000 | 43,000 | 45,000 | 34,860 | 35,400 |
| | --- | 37,000 | 33,096 | 37,677 | 42,457 | 49,212 | 52,125 | 53,523 | 52,876 | 56,562 | 44,489 | 45,335 |
| | --- | 20,664 | 3,635 | 7,647 | 9,154 | 12,508 | 13,384 | 13,899 | 15,190 | 15,825 | 13,115 | 13,347 |
| | 0 | 3 | 212 | 359 | 396 | 310 | 223 | 249 | 139 | 103 | 265 | 2,229 |

TABLE-3.5.9

SALARIES of FULL-TIME EMPLOYED PH.D.CHEMISTS IN PRIVATE INDUSTRY - WOMEN Only
by WORK SPECIALTY and YEARS SINCE BS
1982 Survey of ACS Members

| SPECIALTY | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| Biochemistry | --- | --- | --- | 35,888 | --- | --- | --- | --- | --- | --- | 33,200 | 35,000 - 75th %-ile |
| | --- | --- | 32,300 | 35,800 | 35,825 | 35,000 | 29,950 | --- | --- | --- | 28,000 | 32,850 - Median |
| | --- | --- | --- | 30,000 | --- | --- | --- | --- | --- | --- | 23,000 | 29,963 - 25th %-ile |
| | --- | --- | 32,300 | 32,465 | 35,925 | 35,000 | 29,950 | --- | --- | --- | 28,067 | 32,041 - Mean |
| | --- | --- | 283 | 5,598 | 1,167 | --- | --- | --- | --- | --- | 5,100 | 3,844 - Std Dev |
| | 0 | 0 | 2 | 7 | 2 | 1 | 1 | 0 | 0 | 0 | 3 | 16 - Count |
| Agricultural/ | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| food chemistry | --- | --- | 32,000 | --- | 36,500 | --- | --- | --- | --- | --- | --- | 34,250 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | 32,000 | --- | 36,500 | --- | --- | --- | --- | --- | --- | 34,250 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3,182 |
| | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Analytical | --- | --- | 36,950 | 45,000 | --- | --- | --- | --- | --- | --- | 34,000 | 37,000 |
| chemistry | --- | --- | 35,400 | 34,500 | 33,500 | 35,640 | --- | --- | 44,900 | --- | 33,000 | 35,000 |
| | --- | --- | 34,000 | 30,500 | --- | --- | --- | --- | --- | --- | 31,600 | 33,000 |
| | --- | --- | 35,066 | 36,667 | 33,500 | 35,640 | --- | --- | 44,900 | --- | 32,867 | 35,304 |
| | --- | --- | 3,407 | 7,489 | 9,192 | --- | --- | --- | --- | --- | 1,206 | 4,581 |
| | 0 | 0 | 15 | 3 | 2 | 1 | 0 | 0 | 1 | 0 | 3 | 25 |
| Environmental | --- | --- | --- | 45,000 | --- | --- | --- | --- | --- | --- | --- | 46,500 |
| chemistry | --- | --- | 24,500 | 35,200 | --- | --- | --- | 48,000 | --- | --- | --- | 34,040 |
| | --- | --- | --- | 31,440 | --- | --- | --- | --- | --- | --- | --- | 26,250 |
| | --- | --- | 24,500 | 37,616 | --- | --- | --- | 48,000 | --- | --- | --- | 35,635 |
| | --- | --- | 707 | 7,303 | --- | --- | --- | --- | --- | --- | --- | 9,519 |
| | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 8 |
| Organic | --- | --- | 33,954 | 54,500 | 45,450 | --- | --- | --- | --- | --- | 52,000 | 41,050 |
| chemistry | --- | --- | 33,100 | 35,350 | 38,000 | 45,440 | --- | --- | 41,050 | --- | 37,700 | 34,416 |
| | --- | --- | 29,375 | 32,425 | 32,550 | --- | --- | --- | --- | --- | 32,760 | 32,760 |
| | --- | --- | 31,986 | 40,433 | 38,800 | 45,440 | --- | --- | 41,050 | --- | 40,820 | 38,387 |
| | --- | --- | 2,675 | 11,645 | 8,115 | 26,248 | --- | --- | --- | --- | 9,992 | 10,140 |
| | 0 | 0 | 6 | 6 | 5 | 2 | 0 | 0 | 1 | 0 | 3 | 23 |
| Inorganic | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| chemistry | --- | --- | 31,000 | 34,470 | 35,500 | --- | --- | --- | --- | --- | --- | 41,300 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 31,000 |
| | --- | --- | 31,000 | 34,470 | 35,500 | --- | --- | --- | --- | --- | --- | 29,170 |
| | --- | --- | --- | 7,255 | 12,021 | --- | --- | --- | --- | --- | --- | 34,188 |
| | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 7,261 |
| Pharmaceutical/ | --- | --- | 33,500 | 52,000 | --- | --- | --- | --- | --- | --- | 37,000 | 40,025 |
| medicinal/ | --- | --- | 31,500 | 31,000 | 34,000 | 47,280 | --- | 48,000 | 41,276 | 98,000 | 32,000 | 32,000 |
| clinical | --- | --- | 30,500 | 29,372 | --- | --- | --- | --- | --- | --- | 31,000 | 30,936 |
| chemistry | --- | --- | 31,833 | 30,916 | 34,000 | 47,280 | --- | 48,000 | 41,276 | 98,000 | 35,333 | 37,163 |
| | --- | --- | 1,528 | 4,066 | 15,556 | --- | --- | --- | 4,702 | --- | 3,215 | 15,239 |
| | 0 | 0 | 3 | 9 | 2 | 1 | 0 | 1 | 2 | 1 | 3 | 22 |
| Physical | --- | --- | --- | 38,800 | --- | --- | --- | --- | --- | --- | --- | 39,427 |
| chemistry | --- | --- | 36,000 | 37,100 | 49,100 | 57,708 | 70,000 | --- | --- | --- | --- | 38,500 |
| | --- | --- | --- | 32,000 | --- | --- | --- | --- | --- | --- | --- | 36,275 |
| | --- | --- | 36,000 | 35,967 | 49,100 | 57,708 | 70,000 | --- | --- | --- | --- | 46,226 |
| | --- | --- | --- | 3,539 | 15,415 | --- | --- | --- | --- | --- | --- | 14,125 |
| | 0 | 0 | 1 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 8 |
| Theoretical | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| chemistry | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Polymer/ | --- | --- | 37,500 | 42,700 | --- | --- | --- | --- | --- | --- | 46,740 | 41,150 |
| macromolecular | --- | --- | 33,500 | 37,600 | 38,500 | 36,540 | --- | --- | --- | --- | 40,800 | 34,320 |
| chemistry | --- | --- | 30,240 | 30,925 | --- | --- | --- | --- | --- | --- | 30,000 | 30,570 |
| | --- | --- | 33,866 | 37,075 | 38,500 | 36,540 | --- | --- | --- | --- | 39,180 | 36,146 |
| | --- | --- | 4,453 | 6,254 | --- | 5,515 | --- | --- | --- | --- | 8,487 | 5,501 |
| | 0 | 0 | 7 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 3 | 17 |
| Other | --- | --- | --- | 47,250 | --- | --- | --- | --- | --- | --- | --- | 45,750 |
| chemistry | --- | --- | 31,000 | 34,000 | 40,000 | 25,000 | 43,000 | --- | --- | --- | 55,500 | 38,500 |
| | --- | --- | --- | 28,310 | --- | --- | --- | --- | --- | --- | --- | 28,310 |
| | --- | --- | 31,000 | 36,520 | 40,000 | 25,000 | 43,000 | --- | --- | --- | 55,500 | 37,882 |
| | --- | --- | 5,657 | 10,257 | 2,828 | --- | 5,657 | --- | --- | --- | --- | 9,665 |
| | 0 | 0 | 2 | 4 | 2 | 1 | 2 | 0 | 0 | 0 | 1 | 12 |
| TOTAL | --- | --- | 35,550 | 38,800 | 42,000 | 52,494 | 64,250 | --- | 44,825 | --- | 40,025 | 39,000 |
| | --- | --- | 33,500 | 33,800 | 38,000 | 35,640 | 45,000 | 48,000 | 42,825 | 98,000 | 35,100 | 34,435 |
| | --- | --- | 30,435 | 30,500 | 35,000 | 29,760 | 32,213 | --- | 38,726 | --- | 31,150 | 30,934 |
| | --- | --- | 33,025 | 35,288 | 38,150 | 40,510 | 46,488 | 48,000 | 42,125 | 98,000 | 36,144 | 36,680 |
| | --- | --- | 5,924 | 7,180 | 8,614 | 13,397 | 17,153 | 0 | 5,287 | --- | 8,714 | 9,756 |
| | 0 | 0 | 38 | 43 | 19 | 9 | 4 | 2 | 4 | 1 | 16 | 136 |

TABLE-3.6.1

SALARIES of B.S. CHEMISTS EMPLOYED FULL-TIME in PRIVATE INDUSTRY
by INDUSTRY and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMPLOYER | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL |
| Mfg Chem | 18,932 | 18,100 | 21,211 | 23,375 | 29,064 | 29,375 | 32,406 | 29,763 | 36,123 | 33,380 | --- | 24,000 - 25th %-ile |
| | 21,500 | 21,600 | 26,000 | 31,000 | 34,560 | 36,180 | 39,000 | 40,000 | 43,000 | 43,900 | 22,176 | 31,980 - Median |
| | 23,000 | 24,400 | 29,000 | 35,750 | 39,000 | 48,750 | 45,810 | 50,000 | 55,000 | 54,250 | --- | 40,000 - 75th %-ile |
| | 21,380 | 21,973 | 25,958 | 31,381 | 34,562 | 39,130 | 41,409 | 42,313 | 47,129 | 45,729 | 22,176 | 33,993 - Mean |
| | 2,836 | 3,862 | 4,975 | 7,890 | 7,685 | 11,867 | 13,516 | 13,373 | 15,556 | 13,808 | --- | 13,141 - Std Dev |
| | 17 | 73 | 90 | 56 | 43 | 40 | 40 | 93 | 28 | 26 | 1 | 507 - Count |
| Mfg Coatings | 17,500 | 20,040 | 22,681 | 25,295 | 29,958 | 28,619 | 28,344 | 28,938 | 37,000 | 27,788 | --- | 22,371 |
| | 19,800 | 22,000 | 26,000 | 29,050 | 35,200 | 37,500 | 35,000 | 38,000 | 52,000 | 39,500 | --- | 29,000 |
| | 21,600 | 24,500 | 29,100 | 38,250 | 40,500 | 44,500 | 55,500 | 47,200 | 65,000 | 50,500 | --- | 38,000 |
| | 19,633 | 22,152 | 25,975 | 30,660 | 36,304 | 37,383 | 40,500 | 40,707 | 51,611 | 38,400 | --- | 32,304 |
| | 2,055 | 2,690 | 3,907 | 7,216 | 7,514 | 12,415 | 17,335 | 13,353 | 26,733 | 13,386 | --- | 13,444 |
| | 3 | 23 | 26 | 10 | 9 | 12 | 5 | 17 | 7 | 6 | 0 | 118 |
| Mfg Food | 15,188 | 16,124 | 19,500 | 23,828 | 23,172 | 28,500 | 29,500 | 27,000 | 41,160 | 33,000 | --- | 20,500 |
| | 19,250 | 18,950 | 25,000 | 26,550 | 32,500 | 32,220 | 36,000 | 35,000 | 48,618 | 38,150 | --- | 27,000 |
| | 21,610 | 21,563 | 27,800 | 34,875 | 58,250 | 42,250 | 47,000 | 46,000 | 65,000 | 54,000 | --- | 36,000 |
| | 18,620 | 19,417 | 24,953 | 30,097 | 39,833 | 34,407 | 36,214 | 38,497 | 51,593 | 41,717 | --- | 29,987 |
| | 3,491 | 4,369 | 8,026 | 10,341 | 24,392 | 6,644 | 8,406 | 18,254 | 12,195 | 10,945 | --- | 13,649 |
| | 4 | 16 | 15 | 12 | 6 | 6 | 7 | 7 | 3 | 3 | 0 | 79 |
| Mfg Metals/ minerals | --- | 20,000 | 20,072 | 22,231 | 28,669 | 32,430 | 20,984 | 33,000 | 29,781 | 31,125 | --- | 21,809 |
| | --- | 23,000 | 27,550 | 26,760 | 36,000 | 36,000 | 29,750 | 38,000 | 34,500 | 40,000 | --- | 29,800 |
| | --- | 25,000 | 30,000 | 29,000 | 41,500 | 38,490 | 37,625 | 50,000 | 39,500 | 44,400 | --- | 35,750 |
| | --- | 23,546 | 26,221 | 26,240 | 35,260 | 35,460 | 29,375 | 40,665 | 34,500 | 38,160 | --- | 30,235 |
| | --- | 3,533 | 6,414 | 4,609 | 6,526 | 3,544 | 8,873 | 8,093 | 5,323 | 7,352 | --- | 8,494 |
| | 0 | 19 | 14 | 9 | 5 | 5 | 4 | 11 | 4 | 5 | 0 | 76 |
| Mfg Paper | --- | --- | 23,141 | 26,630 | 30,000 | --- | --- | --- | --- | --- | --- | 26,700 |
| | 29,000 | 23,000 | 29,750 | 26,850 | 33,000 | 44,600 | 43,000 | --- | --- | --- | --- | 30,000 |
| | --- | --- | 33,500 | 30,000 | 40,000 | --- | --- | --- | --- | --- | --- | 34,000 |
| | 29,000 | 23,000 | 28,700 | 27,825 | 34,333 | 44,600 | 43,000 | --- | --- | --- | --- | 31,247 |
| | --- | --- | 5,633 | 2,123 | 5,132 | --- | --- | --- | --- | --- | --- | 6,826 |
| | 1 | 1 | 4 | 4 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 15 |
| Mfg Petroleum | 20,000 | 20,187 | 21,219 | 25,000 | 34,314 | 29,756 | 43,000 | 37,328 | 49,800 | 39,250 | --- | 25,000 |
| | 21,700 | 22,350 | 26,880 | 35,000 | 40,352 | 35,000 | 44,000 | 49,000 | 53,820 | 41,496 | --- | 36,600 |
| | 28,350 | 25,075 | 28,900 | 40,000 | 47,000 | 43,936 | 52,500 | 61,000 | 62,000 | 44,000 | --- | 45,000 |
| | 23,350 | 23,249 | 25,749 | 35,214 | 40,492 | 36,341 | 46,500 | 49,182 | 55,875 | 41,499 | --- | 37,084 |
| | 4,714 | 4,072 | 3,937 | 8,916 | 6,390 | 7,066 | 5,745 | 12,281 | 14,854 | 2,958 | --- | 14,373 |
| | 4 | 20 | 9 | 7 | 8 | 6 | 4 | 13 | 11 | 5 | 0 | 87 |
| Mfg Pharm | 18,000 | 18,103 | 20,869 | 22,553 | 25,709 | 34,020 | 32,033 | 32,928 | 32,828 | 32,000 | --- | 20,541 |
| | 20,000 | 21,000 | 24,502 | 27,500 | 31,000 | 37,000 | 36,244 | 40,100 | 44,900 | 32,000 | --- | 26,200 |
| | 22,000 | 24,225 | 27,125 | 32,350 | 35,129 | 42,625 | 46,625 | 48,200 | 57,125 | 35,000 | --- | 34,325 |
| | 20,552 | 21,459 | 24,823 | 29,723 | 30,823 | 38,647 | 39,714 | 41,528 | 48,538 | 33,000 | --- | 29,403 |
| | 3,306 | 3,702 | 4,444 | 11,335 | 5,677 | 6,253 | 9,200 | 11,176 | 19,701 | 1,732 | --- | 10,974 |
| | 11 | 50 | 58 | 42 | 12 | 22 | 14 | 18 | 8 | 3 | 0 | 238 |
| Mfg Rubber | 15,980 | 21,492 | 22,000 | --- | 31,336 | 34,244 | 33,688 | 35,000 | 30,463 | 34,600 | --- | 27,000 |
| | 19,150 | 22,500 | 29,040 | 30,500 | 36,250 | 43,150 | 43,000 | 40,000 | 37,000 | 40,000 | 23,200 | 37,000 |
| | 26,525 | 23,439 | 35,000 | --- | 45,500 | 54,625 | 52,000 | 44,640 | 51,428 | 52,000 | --- | 45,000 |
| | 20,500 | 22,292 | 28,680 | 30,500 | 37,625 | 42,900 | 43,611 | 44,062 | 39,251 | 43,314 | 23,200 | 37,873 |
| | 5,848 | 1,537 | 6,507 | 10,607 | 7,653 | 11,421 | 11,028 | 18,997 | 10,669 | 10,534 | --- | 14,415 |
| | 4 | 6 | 3 | 2 | 4 | 6 | 9 | 15 | 6 | 7 | 1 | 63 |
| Mfg Other | 17,695 | 18,200 | 19,953 | 24,000 | 28,000 | 24,613 | 28,298 | 26,844 | 30,813 | 31,438 | --- | 20,750 |
| | 20,500 | 21,000 | 25,675 | 29,000 | 32,200 | 33,000 | 36,500 | 37,000 | 40,000 | 38,500 | --- | 28,580 |
| | 21,925 | 24,000 | 28,350 | 33,000 | 40,000 | 40,750 | 46,005 | 46,340 | 59,000 | 43,500 | --- | 36,775 |
| | 19,920 | 21,657 | 25,893 | 29,211 | 34,439 | 34,036 | 39,833 | 39,874 | 48,289 | 42,653 | --- | 31,664 |
| | 2,549 | 4,568 | 5,856 | 6,012 | 9,740 | 10,218 | 15,975 | 14,104 | 21,317 | 18,212 | --- | 13,257 |
| | 10 | 65 | 62 | 43 | 35 | 28 | 24 | 49 | 17 | 17 | 0 | 350 |
| Non-Mfg | --- | 16,060 | 20,640 | 22,850 | 22,725 | 22,359 | 29,000 | 22,868 | 39,477 | --- | --- | 19,300 |
| | 21,450 | 18,800 | 25,100 | 28,500 | 36,000 | 32,500 | 30,000 | 30,000 | 47,250 | 42,000 | --- | 25,000 |
| | --- | 22,000 | 28,413 | 31,650 | 40,000 | 39,500 | 40,000 | 39,000 | 49,375 | --- | --- | 30,000 |
| | 21,450 | 19,169 | 24,926 | 29,417 | 33,368 | 30,333 | 33,000 | 32,458 | 45,200 | 42,000 | --- | 26,340 |
| | 4,879 | 4,194 | 4,679 | 10,705 | 10,218 | 10,727 | 6,083 | 10,760 | 6,077 | 7,071 | --- | 9,388 |
| | 2 | 39 | 40 | 25 | 9 | 6 | 3 | 9 | 4 | 2 | 0 | 139 |
| TOTAL | 17,541 | 17,500 | 18,438 | 23,156 | 26,241 | 26,813 | 31,000 | 29,344 | 32,477 | 30,636 | --- | 20,141 |
| | 20,750 | 21,500 | 25,450 | 29,000 | 34,856 | 36,000 | 37,000 | 40,000 | 44,500 | 40,000 | 22,688 | 29,000 |
| | 22,675 | 24,000 | 28,800 | 34,000 | 40,000 | 42,620 | 46,000 | 48,875 | 55,000 | 48,075 | --- | 38,000 |
| | 20,882 | 21,543 | 25,631 | 30,095 | 34,934 | 37,143 | 40,201 | 41,542 | 47,884 | 42,623 | 22,688 | 32,019 |
| | 3,479 | 4,089 | 5,169 | 8,712 | 9,373 | 10,208 | 12,854 | 13,690 | 17,332 | 13,309 | 724 | 12,827 |
| | 56 | 312 | 321 | 210 | 134 | 132 | 111 | 232 | 88 | 74 | 2 | 1,672 |

TABLE-3.6.2

SALARIES of M.S.CHEMISTS EMPLOYED FULL-TIME in PRIVATE INDUSTRY
by INDUSTRY and YEARS SINCE BS
1982 Survey of ACS Members

| EMPLOYER | YEARS SINCE BS 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mfg Chem | --- | 27,100 | 30,000 | 40,000 | 42,241 | 49,225 | 48,000 | 49,250 | 49,890 | 56,250 | 37,700 | 43,000 | - 75th %-ile |
| | --- | 24,896 | 28,000 | 30,900 | 38,000 | 38,000 | 42,000 | 42,000 | 39,975 | 45,000 | 32,760 | 36,000 | - Median |
| | --- | 23,875 | 24,625 | 27,500 | 32,375 | 31,950 | 38,000 | 36,500 | 33,500 | 38,750 | 26,000 | 29,160 | - 25th %-ile |
| | --- | 25,907 | 27,567 | 33,143 | 39,230 | 40,280 | 41,977 | 43,900 | 42,412 | 47,789 | 32,688 | 37,487 | - Mean |
| | --- | 3,038 | 5,199 | 7,057 | 10,361 | 14,571 | 8,797 | 11,352 | 14,975 | 13,085 | 8,739 | 11,807 | - Std Dev |
| | 0 | 10 | 40 | 47 | 24 | 26 | 30 | 62 | 21 | 14 | 37 | 311 | - Count |
| Mfg Coatings | --- | --- | --- | 32,850 | 35,000 | 62,300 | 40,300 | 49,440 | 45,585 | --- | 42,500 | 40,475 | |
| | --- | 24,500 | 27,900 | 32,000 | 33,000 | 32,500 | 39,660 | 36,000 | 37,000 | 47,000 | 37,500 | 33,000 | |
| | --- | --- | --- | 23,500 | 29,000 | 30,750 | 32,000 | 32,000 | 23,500 | --- | 27,173 | 29,375 | |
| | --- | 24,500 | 27,900 | 29,509 | 33,100 | 43,720 | 37,320 | 42,634 | 36,337 | 47,000 | 35,969 | 35,910 | |
| | --- | 707 | 9,758 | 5,414 | 5,438 | 21,978 | 4,618 | 14,119 | 9,826 | 7,071 | 9,905 | 11,392 | |
| | 0 | 2 | 2 | 9 | 7 | 5 | 3 | 7 | 7 | 2 | 10 | 54 | |
| Mfg Food | --- | --- | 29,125 | 32,200 | --- | --- | 50,000 | 41,750 | --- | --- | 36,500 | 40,000 | |
| | --- | 19,200 | 26,500 | 31,000 | 34,500 | 34,300 | 44,700 | 40,000 | 36,800 | --- | 28,000 | 32,600 | |
| | --- | --- | 22,000 | 29,328 | --- | --- | 39,000 | 34,000 | --- | --- | 21,750 | 27,650 | |
| | --- | 19,200 | 26,363 | 31,397 | 34,500 | 34,300 | 43,814 | 37,389 | 36,800 | --- | 28,500 | 33,360 | |
| | --- | --- | 4,352 | 4,077 | 9,192 | 990 | 6,301 | 6,660 | --- | --- | 8,456 | 8,111 | |
| | 0 | 1 | 8 | 11 | 2 | 2 | 7 | 9 | 1 | 0 | 5 | 46 | |
| Mfg Metals/ minerals | --- | --- | 28,000 | 45,000 | 37,900 | --- | 69,000 | 54,000 | --- | --- | 61,000 | 40,000 | |
| | --- | 21,900 | 27,575 | 28,600 | 32,750 | 30,000 | 40,000 | 35,000 | 39,500 | 40,000 | 39,000 | 33,500 | |
| | --- | --- | 23,000 | 22,100 | 30,375 | --- | 40,000 | 30,000 | --- | --- | 34,000 | 27,681 | |
| | --- | 21,900 | 26,192 | 31,900 | 33,267 | 30,000 | 47,667 | 39,667 | 39,500 | 40,000 | 44,667 | 35,755 | |
| | --- | 2,687 | 2,772 | 12,722 | 5,565 | --- | 16,743 | 12,662 | 7,778 | --- | 14,364 | 11,732 | |
| | 0 | 2 | 3 | 4 | 6 | 1 | 3 | 3 | 2 | 1 | 3 | 28 | |
| Mfg Paper | --- | --- | --- | 30,000 | --- | --- | --- | 59,100 | --- | --- | --- | 45,125 | |
| | --- | --- | 31,000 | 27,000 | 35,750 | 40,500 | --- | 47,350 | --- | 44,000 | 35,500 | 39,750 | |
| | --- | --- | --- | 26,500 | --- | --- | --- | 44,375 | --- | --- | --- | 27,750 | |
| | --- | --- | 31,000 | 27,833 | 35,750 | 40,500 | --- | 50,275 | --- | 44,000 | 35,500 | 38,381 | |
| | --- | --- | 7,071 | 1,893 | 5,303 | 707 | --- | 8,374 | --- | --- | 17,678 | 10,609 | |
| | 0 | 0 | 2 | 3 | 2 | 2 | 0 | 4 | 0 | 1 | 2 | 16 | |
| Mfg Petroleum | --- | --- | 29,900 | 37,050 | 43,350 | 44,000 | 56,750 | 69,260 | --- | 71,350 | 57,500 | 52,000 | |
| | --- | 23,250 | 28,500 | 35,500 | 38,100 | 42,000 | 53,500 | 41,500 | 58,300 | 61,100 | 50,000 | 38,100 | |
| | --- | --- | 24,313 | 29,950 | 31,300 | 41,500 | 41,108 | 34,500 | --- | 45,000 | 40,500 | 30,000 | |
| | --- | 23,250 | 28,081 | 34,367 | 39,480 | 42,500 | 50,453 | 49,804 | 58,300 | 59,150 | 49,200 | 41,729 | |
| | --- | 2,475 | 5,723 | 3,704 | 10,410 | 1,323 | 8,828 | 18,186 | --- | 14,251 | 11,122 | 13,967 | |
| | 0 | 2 | 8 | 6 | 5 | 3 | 4 | 5 | 1 | 4 | 5 | 43 | |
| Mfg Pharm | --- | 26,000 | 28,500 | 36,000 | 36,563 | 40,500 | 48,400 | 54,000 | 52,000 | 51,000 | 35,350 | 37,063 | |
| | --- | 23,000 | 24,370 | 30,200 | 32,000 | 33,486 | 40,000 | 47,000 | 43,000 | 43,000 | 32,000 | 31,000 | |
| | --- | 19,000 | 22,500 | 26,250 | 29,075 | 27,875 | 34,000 | 37,750 | 26,750 | 36,600 | 28,920 | 25,785 | |
| | --- | 22,769 | 25,557 | 31,296 | 35,246 | 35,344 | 40,514 | 46,422 | 41,100 | 45,467 | 32,942 | 32,933 | |
| | --- | 4,111 | 4,651 | 6,747 | 8,702 | 11,630 | 7,799 | 12,351 | 13,736 | 12,131 | 8,054 | 10,607 | |
| | 0 | 11 | 51 | 36 | 28 | 14 | 7 | 18 | 5 | 9 | 23 | 202 | |
| Mfg Rubber | --- | --- | --- | --- | 42,439 | --- | 47,125 | 39,125 | --- | 80,000 | 57,425 | 44,000 | |
| | --- | 25,600 | 30,000 | 19,400 | 31,700 | 41,000 | 42,004 | 28,750 | 38,500 | 44,000 | 44,625 | 38,500 | |
| | --- | --- | --- | --- | 26,925 | --- | 36,000 | 28,125 | --- | 38,000 | 36,833 | 29,000 | |
| | --- | 25,600 | 30,000 | 19,400 | 34,688 | 41,000 | 40,751 | 32,000 | 38,500 | 54,000 | 46,313 | 39,037 | |
| | --- | --- | --- | --- | 8,067 | 4,243 | 9,043 | 7,012 | --- | 22,716 | 10,815 | 12,377 | |
| | 0 | 1 | 1 | 1 | 4 | 2 | 6 | 4 | 1 | 3 | 4 | 27 | |
| Mfg Other | --- | 30,000 | 30,000 | 36,000 | 40,000 | 43,900 | 50,000 | 54,000 | 41,000 | 55,900 | 38,900 | 40,000 | |
| | --- | 21,100 | 26,000 | 30,100 | 34,000 | 38,000 | 42,600 | 40,750 | 35,000 | 38,000 | 29,250 | 32,000 | |
| | --- | 21,000 | 21,960 | 25,000 | 30,750 | 29,775 | 34,000 | 37,500 | 30,750 | 34,000 | 25,200 | 26,000 | |
| | --- | 24,033 | 26,209 | 31,767 | 38,787 | 39,103 | 44,489 | 46,414 | 36,900 | 45,383 | 32,555 | 35,460 | |
| | --- | 5,168 | 5,411 | 8,869 | 16,839 | 12,325 | 14,806 | 15,510 | 8,580 | 16,617 | 9,642 | 13,395 | |
| | 0 | 3 | 51 | 47 | 21 | 24 | 19 | 28 | 9 | 9 | 20 | 231 | |
| Non-Mfg | --- | --- | 32,225 | 30,900 | 45,000 | 42,718 | 54,750 | 41,670 | --- | --- | 31,000 | 36,000 | |
| | --- | --- | 26,000 | 28,000 | 30,000 | 34,750 | 37,962 | 34,440 | 29,000 | 30,750 | 26,500 | 30,000 | |
| | --- | --- | 20,700 | 23,150 | 27,000 | 25,950 | 29,903 | 28,875 | --- | --- | 22,500 | 25,475 | |
| | --- | --- | 25,933 | 27,480 | 35,867 | 34,786 | 40,872 | 34,963 | 29,000 | 30,750 | 26,925 | 31,914 | |
| | --- | --- | 7,306 | 7,159 | 15,036 | 10,125 | 13,688 | 9,697 | 1,414 | 354 | 5,148 | 10,645 | |
| | 0 | 0 | 12 | 13 | 15 | 3 | 4 | 12 | 2 | 2 | 8 | 76 | |
| TOTAL | --- | 26,000 | 30,000 | 36,000 | 40,000 | 45,000 | 49,000 | 49,580 | 46,795 | 55,000 | 40,000 | 41,072 | |
| | --- | 24,250 | 26,200 | 30,000 | 34,500 | 36,000 | 41,808 | 41,000 | 37,440 | 43,000 | 32,000 | 33,000 | |
| | --- | 21,200 | 23,000 | 26,500 | 30,000 | 30,046 | 37,810 | 35,125 | 32,000 | 37,825 | 26,000 | 27,150 | |
| | --- | 25,929 | 26,493 | 31,539 | 36,745 | 38,696 | 42,943 | 43,478 | 39,861 | 47,218 | 33,941 | 35,630 | |
| | --- | 3,629 | 5,182 | 7,421 | 11,521 | 12,705 | 10,610 | 12,636 | 12,394 | 14,044 | 10,049 | 12,012 | |
| | 0 | 32 | 178 | 177 | 114 | 87 | 83 | 152 | 49 | 45 | 117 | 1,034 | |

TABLE-3.6.3

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME in PRIVATE INDUSTRY
by INDUSTRY and YEARS SINCE BS
1982 Survey of ACS Members

| EMPLOYER | YEARS SINCE BS | | | | | | | | | | | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Resp | | |
| Mfg Chem | --- | --- | 34,450 | 41,400 | 47,503 | 53,500 | 60,000 | 62,000 | 69,000 | 73,000 | 51,250 | 52,000 | - 75th %-ile |
| | --- | 20,000 | 32,500 | 36,000 | 42,240 | 46,620 | 49,500 | 52,250 | 51,900 | 56,000 | 41,000 | 43,440 | - Median |
| | --- | --- | 30,765 | 32,880 | 37,675 | 42,248 | 42,840 | 44,484 | 44,000 | 45,000 | 35,000 | 35,000 | - 25th %-ile |
| | --- | 20,000 | 32,868 | 37,538 | 42,948 | 49,169 | 51,961 | 53,632 | 55,579 | 59,643 | 44,276 | 45,523 | - Mean |
| | --- | --- | 2,979 | 7,297 | 8,299 | 12,400 | 13,080 | 13,935 | 16,408 | 17,582 | 11,413 | 13,408 | - Std Dev |
| | 0 | 1 | 100 | 155 | 162 | 122 | 90 | 110 | 55 | 43 | 105 | 943 | - Count |
| Mfg Coatings | --- | --- | 34,875 | 45,000 | 49,985 | 53,700 | 60,000 | 58,375 | --- | --- | 43,550 | 50,000 | |
| | --- | --- | 33,600 | 35,000 | 44,000 | 43,000 | 50,000 | 51,750 | 34,000 | 32,500 | 35,220 | 38,400 | |
| | --- | --- | 31,350 | 30,100 | 36,000 | 36,900 | 48,500 | 43,714 | --- | --- | 30,450 | 35,000 | |
| | --- | --- | 33,325 | 38,743 | 43,546 | 44,047 | 55,786 | 51,280 | 34,000 | 32,500 | 39,474 | 41,939 | |
| | --- | --- | 2,374 | 11,566 | 8,920 | 10,847 | 9,712 | 7,659 | 3 | --- | 13,856 | 11,467 | |
| | 0 | 0 | 8 | 13 | 16 | 15 | 7 | 4 | 2 | 1 | 17 | 83 | |
| Mfg Food | --- | --- | 35,375 | 35,375 | 43,750 | 60,500 | 63,300 | 62,875 | --- | 51,950 | 43,500 | 48,000 | |
| | --- | --- | 29,000 | 31,000 | 40,800 | 37,800 | 47,000 | 54,000 | 50,000 | 46,500 | 36,650 | 38,150 | |
| | --- | --- | 27,375 | 29,250 | 29,625 | 33,500 | 42,000 | 46,250 | --- | 37,875 | 33,400 | 31,250 | |
| | --- | --- | 30,667 | 31,425 | 42,514 | 46,160 | 50,900 | 54,375 | 50,000 | 45,230 | 37,813 | 42,069 | |
| | --- | --- | 4,095 | 3,870 | 17,335 | 17,519 | 11,568 | 8,616 | 42,426 | 7,501 | 6,545 | 14,430 | |
| | 0 | 0 | 6 | 12 | 14 | 9 | 12 | 4 | 2 | 5 | 8 | 72 | |
| Mfg Metals/ minerals | --- | --- | --- | 45,500 | 39,750 | 51,375 | 48,500 | 57,600 | 64,250 | 75,000 | 58,500 | 51,250 | |
| | --- | --- | --- | 38,300 | 35,000 | 42,000 | 47,500 | 55,000 | 52,000 | 45,000 | 36,400 | 44,000 | |
| | --- | --- | --- | 33,750 | 32,000 | 37,650 | 41,600 | 49,000 | 50,298 | 40,600 | 28,650 | 36,824 | |
| | --- | --- | --- | 39,926 | 35,894 | 43,783 | 45,540 | 55,041 | 56,219 | 53,535 | 40,540 | 45,031 | |
| | --- | --- | --- | 3,911 | 4,444 | 7,776 | 4,075 | 8,970 | 7,954 | 18,720 | 18,089 | 11,683 | |
| | 0 | 0 | 0 | 10 | 8 | 6 | 5 | 7 | 5 | 3 | 5 | 49 | |
| Mfg Paper | --- | --- | --- | 38,500 | 40,000 | 46,750 | --- | 44,000 | --- | 72,100 | 68,000 | 44,750 | |
| | --- | --- | 30,850 | 36,800 | 37,000 | 43,500 | 39,000 | 42,000 | 52,000 | 68,000 | 32,789 | 40,000 | |
| | --- | --- | --- | 34,800 | 30,339 | 40,000 | --- | 40,000 | --- | 36,000 | 32,000 | 35,250 | |
| | --- | --- | 30,850 | 36,629 | 35,877 | 49,167 | 39,000 | 42,000 | 52,000 | 59,033 | 42,930 | 43,028 | |
| | --- | --- | 212 | 4,352 | 4,651 | 18,230 | 1,414 | 2,000 | --- | 20,008 | 18,252 | 14,009 | |
| | 0 | 0 | 2 | 7 | 7 | 12 | 2 | 5 | 1 | 5 | 3 | 40 | |
| Mfg Petroleum | --- | --- | 37,425 | 48,000 | 51,315 | 65,250 | 70,000 | 60,500 | 64,000 | 68,750 | 65,500 | 56,000 | |
| | --- | 31,000 | 36,000 | 42,000 | 43,500 | 55,500 | 52,750 | 53,000 | 56,000 | 60,750 | 55,500 | 46,800 | |
| | --- | --- | 33,575 | 39,000 | 38,825 | 46,675 | 48,000 | 43,800 | 50,000 | 51,625 | 46,750 | 38,450 | |
| | --- | 31,000 | 35,355 | 43,404 | 45,061 | 56,598 | 57,913 | 52,237 | 59,399 | 61,217 | 56,665 | 43,914 | |
| | --- | --- | 3,686 | 9,032 | 7,721 | 11,007 | 12,772 | 17,022 | 15,632 | 11,342 | 13,106 | 13,634 | |
| | 0 | 1 | 36 | 31 | 30 | 26 | 20 | 18 | 7 | 12 | 17 | 198 | |
| Mfg Pharm | --- | --- | 34,462 | 39,000 | 49,000 | 54,000 | 68,000 | 65,000 | 52,250 | 65,750 | 52,000 | 52,000 | |
| | --- | --- | 31,377 | 35,000 | 42,000 | 48,000 | 53,000 | 59,820 | 46,750 | 49,650 | 41,000 | 41,500 | |
| | --- | --- | 29,300 | 32,000 | 36,500 | 40,400 | 45,000 | 46,933 | 38,750 | 40,300 | 33,600 | 35,000 | |
| | --- | --- | 32,006 | 35,486 | 43,289 | 47,942 | 56,082 | 58,115 | 48,253 | 54,407 | 45,318 | 45,075 | |
| | --- | --- | 3,840 | 6,727 | 10,295 | 10,023 | 13,234 | 13,761 | 11,517 | 17,578 | 14,934 | 13,924 | |
| | 0 | 0 | 34 | 81 | 71 | 47 | 35 | 44 | 16 | 20 | 65 | 413 | |
| Mfg Rubber | --- | --- | 35,150 | 35,750 | 44,000 | 50,200 | --- | 54,950 | --- | --- | 52,500 | 49,300 | |
| | --- | --- | 31,200 | 33,912 | 41,450 | 43,000 | 60,000 | 52,000 | 40,000 | 40,800 | 44,400 | 41,000 | |
| | --- | --- | 29,500 | 27,331 | 33,000 | 36,500 | --- | 40,950 | --- | --- | 42,500 | 35,000 | |
| | --- | --- | 32,100 | 32,331 | 39,483 | 43,600 | 60,000 | 49,400 | 40,000 | 40,300 | 46,880 | 41,887 | |
| | --- | --- | 3,524 | 4,743 | 5,758 | 7,632 | --- | 6,792 | --- | 3,960 | 5,493 | 3,871 | |
| | 0 | 0 | 5 | 4 | 3 | 6 | 1 | 6 | 1 | 2 | 5 | 33 | |
| Mfg Other | --- | --- | 36,500 | 40,000 | 45,000 | 55,125 | 55,750 | 58,000 | 50,250 | 69,800 | 49,800 | 50,000 | |
| | --- | 60,000 | 33,000 | 37,000 | 40,000 | 46,900 | 49,500 | 49,950 | 46,500 | 56,000 | 38,000 | 40,750 | |
| | --- | --- | 31,750 | 33,000 | 35,750 | 40,750 | 40,000 | 40,000 | 41,840 | 43,000 | 32,000 | 35,000 | |
| | --- | 60,000 | 33,758 | 37,294 | 40,917 | 49,029 | 48,508 | 51,215 | 47,446 | 55,617 | 41,196 | 43,590 | |
| | --- | --- | 4,149 | 6,983 | 8,188 | 13,786 | 13,640 | 15,246 | 7,155 | 15,784 | 11,407 | 12,483 | |
| | 0 | 1 | 45 | 73 | 85 | 66 | 48 | 48 | 18 | 17 | 51 | 452 | |
| Non-Mfg | --- | --- | 34,250 | 42,075 | 44,000 | 60,750 | 49,500 | 55,000 | 52,000 | 73,125 | 47,675 | 47,250 | |
| | --- | --- | 31,350 | 37,000 | 40,200 | 48,150 | 45,000 | 50,220 | 44,500 | 39,854 | 35,460 | 40,351 | |
| | --- | --- | 27,250 | 33,750 | 35,325 | 39,580 | 36,250 | 41,200 | 39,000 | 45,750 | 31,500 | 34,000 | |
| | --- | --- | 30,821 | 38,014 | 39,315 | 49,838 | 47,875 | 48,260 | 48,640 | 60,535 | 37,462 | 42,304 | |
| | --- | --- | 4,066 | 7,904 | 9,586 | 14,524 | 20,677 | 12,531 | 16,589 | 14,487 | 10,336 | 13,752 | |
| | 0 | 0 | 14 | 18 | 24 | 14 | 8 | 7 | 9 | 6 | 10 | 110 | |
| TOTAL | --- | 60,000 | 35,010 | 41,000 | 47,150 | 55,000 | 60,000 | 62,000 | 60,000 | 67,000 | 51,593 | 51,350 | |
| | --- | 31,000 | 33,000 | 36,300 | 41,050 | 46,800 | 50,000 | 52,000 | 50,000 | 54,644 | 40,450 | 42,000 | |
| | --- | 20,000 | 30,580 | 32,525 | 36,613 | 41,000 | 42,000 | 44,000 | 42,340 | 44,475 | 34,150 | 35,000 | |
| | --- | 37,000 | 33,085 | 37,403 | 42,269 | 49,064 | 52,026 | 55,479 | 52,393 | 56,911 | 43,961 | 44,882 | |
| | --- | 20,664 | 5,673 | 7,612 | 9,117 | 12,715 | 13,402 | 13,852 | 14,971 | 16,348 | 12,969 | 13,343 | |
| | 0 | 3 | 250 | 404 | 420 | 323 | 228 | 251 | 116 | 112 | 286 | 2,393 | |

TABLE-4.7.1

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME in COLLEGE/UNIVERSITY
by TYPE OF INSTITUTION and ACADEMIC RANK
1982 Survey of ACS Members

| RANK | SCHOOL | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Private Doct. | Private Masters | Private Bachelors | Private Assoc. | Public Doct. | Public Masters | Public Bachelors | Public Assoc. | TOTAL |
| Professor | 52,000 | 35,375 | 30,699 | --- | 43,000 | 35,200 | 35,000 | 34,700 | 43,313 - 75th %-ile |
| | 40,000 | 30,500 | 27,150 | 37,000 | 41,000 | 31,000 | 30,000 | 31,500 | 35,000 - Median |
| | 34,000 | 27,200 | 22,450 | --- | 35,000 | 28,035 | 28,058 | 28,125 | 29,088 - 25th %-ile |
| | 44,191 | 32,021 | 27,676 | 37,000 | 41,933 | 32,042 | 31,541 | 31,611 | 37,428 - Mean |
| | 14,479 | 7,587 | 6,312 | --- | 10,206 | 5,986 | 4,879 | 4,494 | 11,504 - Std Dev |
| | 143 | 48 | 130 | 1 | 344 | 91 | 61 | 24 | 842 - Count |
| Associate professor | 36,000 | 26,375 | 24,465 | --- | 34,380 | 28,375 | 28,000 | 30,334 | 31,000 |
| | 31,000 | 24,500 | 22,000 | 23,400 | 28,250 | 26,000 | 25,100 | 23,823 | 26,660 |
| | 26,550 | 21,000 | 20,288 | --- | 25,675 | 23,125 | 23,000 | 21,692 | 23,098 |
| | 31,859 | 24,290 | 22,329 | 23,400 | 30,139 | 26,468 | 25,443 | 25,548 | 27,843 |
| | 7,542 | 4,145 | 3,158 | 6,505 | 6,639 | 3,944 | 3,396 | 5,463 | 6,666 |
| | 72 | 16 | 58 | 2 | 115 | 36 | 32 | 18 | 349 |
| Assistant professor | 30,050 | 21,000 | 19,574 | --- | 27,467 | 24,000 | 22,000 | 20,925 | 26,000 |
| | 25,000 | 19,500 | 17,500 | 32,293 | 22,939 | 22,000 | 19,482 | 20,000 | 21,000 |
| | 21,000 | 17,300 | 16,850 | --- | 20,000 | 19,400 | 18,120 | 16,900 | 18,988 |
| | 26,332 | 19,430 | 18,470 | 32,293 | 23,947 | 21,856 | 20,246 | 19,363 | 22,784 |
| | 7,438 | 2,129 | 3,299 | --- | 4,858 | 3,164 | 2,952 | 2,200 | 5,687 |
| | 57 | 15 | 44 | 1 | 108 | 15 | 22 | 9 | 270 |
| Instructor or Lecturer | 33,123 | --- | --- | --- | 26,300 | --- | --- | 26,000 | 27,000 |
| | 21,250 | --- | 40,000 | --- | 22,060 | 25,000 | --- | 22,000 | 22,000 |
| | 19,000 | --- | --- | --- | 19,775 | --- | --- | 19,426 | 20,000 |
| | 25,082 | --- | 40,000 | --- | 24,453 | 25,000 | --- | 24,000 | 25,179 |
| | 9,403 | --- | --- | --- | 7,871 | --- | --- | 8,172 | 8,285 |
| | 6 | 0 | 1 | 0 | 8 | 1 | 0 | 7 | 23 |
| Non-Faculty | 31,180 | --- | --- | --- | 30,000 | --- | --- | --- | 30,021 |
| | 28,750 | --- | --- | --- | 24,500 | --- | --- | --- | 25,791 |
| | 25,437 | --- | --- | --- | 20,225 | --- | --- | --- | 21,000 |
| | 29,230 | --- | --- | --- | 27,161 | --- | --- | --- | 27,762 |
| | 7,016 | --- | --- | --- | 12,020 | --- | --- | --- | 10,792 |
| | 18 | 0 | 0 | 0 | 44 | 0 | 0 | 0 | 62 |
| Unranked | 33,500 | --- | 19,761 | --- | 30,973 | --- | --- | 28,300 | 28,945 |
| | 27,000 | --- | 16,500 | 21,850 | 23,950 | --- | --- | 23,200 | 23,100 |
| | 19,000 | --- | 12,350 | --- | 20,125 | --- | --- | 21,000 | 19,255 |
| | 26,399 | --- | 16,144 | 21,850 | 24,615 | --- | --- | 24,776 | 23,793 |
| | 8,790 | --- | 4,159 | --- | 6,052 | --- | --- | 5,144 | 7,009 |
| | 9 | 0 | 5 | 1 | 12 | 0 | 0 | 7 | 34 |
| No Response | 38,300 | --- | --- | --- | 45,000 | 33,659 | --- | --- | 39,925 |
| | 32,000 | --- | 20,000 | --- | 34,000 | 29,375 | 28,000 | --- | 32,773 |
| | 25,000 | --- | --- | --- | 28,925 | 24,800 | --- | --- | 27,225 |
| | 33,671 | --- | 20,000 | --- | 38,181 | 29,583 | 28,000 | --- | 35,082 |
| | 10,683 | --- | --- | --- | 15,736 | 4,816 | 7,071 | --- | 13,456 |
| | 13 | 0 | 1 | 0 | 26 | 6 | 2 | 0 | 48 |
| TOTAL | 42,000 | 32,700 | 28,500 | 34,647 | 42,900 | 33,650 | 30,800 | 32,000 | 37,000 |
| | 33,000 | 27,000 | 23,000 | 28,000 | 33,500 | 28,945 | 28,000 | 26,250 | 30,000 |
| | 27,000 | 21,000 | 20,000 | 20,325 | 26,250 | 25,000 | 23,000 | 21,008 | 24,000 |
| | 36,057 | 28,064 | 24,462 | 27,589 | 35,245 | 29,524 | 27,689 | 26,795 | 32,050 |
| | 13,616 | 8,105 | 6,495 | 7,434 | 11,975 | 6,282 | 6,092 | 6,516 | 11,440 |
| | 318 | 79 | 239 | 5 | 657 | 149 | 117 | 64 | 1,628 |

TABLE-4.7.2

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME in COLLEGE/UNIVERSITY
by ACADEMIC RANK and YEARS SINCE BS
1982 Survey of ACS Members

| | RANK | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| YEARS SINCE BS | Professor | Assoc. Prof. | Assist. Prof. | Instr./ Lecturer | Non-Faculty | Un-ranked | No Response | TOTAL |
| 5-9 | --- | 38,000 | 23,000 | --- | 21,200 | 23,200 | 33,600 | 23,375 - 75th %-ile |
| | --- | 30,500 | 20,000 | 21,500 | 19,300 | 14,000 | 25,000 | 20,000 - Median |
| | --- | 20,000 | 18,250 | --- | 17,000 | 11,000 | 21,000 | 18,000 - 25th %-ile |
| | --- | 29,500 | 21,200 | 21,500 | 18,214 | 16,480 | 26,533 | 21,154 - Mean |
| | --- | 9,042 | 4,230 | --- | 5,577 | 8,704 | 6,438 | 5,480 - Std Dev |
| | 0 | 3 | 53 | 1 | 7 | 5 | 3 | 72 - Count |
| 10-14 | 40,000 | 32,450 | 26,000 | 22,550 | 31,161 | 30,880 | 44,800 | 28,000 |
| | 28,900 | 25,100 | 22,000 | 21,000 | 25,000 | 21,850 | 28,700 | 22,500 |
| | 24,500 | 22,113 | 19,000 | 18,500 | 21,000 | 18,000 | 19,200 | 20,000 |
| | 31,580 | 26,957 | 22,835 | 20,367 | 25,494 | 23,576 | 31,340 | 24,344 |
| | 7,901 | 7,062 | 5,402 | 3,430 | 5,811 | 5,997 | 14,777 | 6,622 |
| | 5 | 40 | 107 | 6 | 13 | 7 | 5 | 183 |
| 15-19 | 35,000 | 31,000 | 25,250 | 40,436 | 29,500 | 23,997 | 33,750 | 31,000 |
| | 30,000 | 26,000 | 20,850 | 26,500 | 26,000 | 21,000 | 28,950 | 26,100 |
| | 26,000 | 22,319 | 18,500 | 20,355 | 23,019 | 18,775 | 25,125 | 22,000 |
| | 31,152 | 27,122 | 22,082 | 29,169 | 26,506 | 21,281 | 29,275 | 27,203 |
| | 7,669 | 6,284 | 5,033 | 9,526 | 5,111 | 3,317 | 4,507 | 7,121 |
| | 79 | 135 | 54 | 6 | 13 | 6 | 4 | 297 |
| 20-24 | 38,900 | 31,000 | 32,000 | 26,000 | 30,000 | 38,500 | 45,000 | 36,000 |
| | 31,651 | 27,850 | 28,500 | 25,000 | 24,150 | 30,600 | 30,400 | 30,000 |
| | 28,000 | 24,000 | 21,470 | 18,000 | 20,750 | 27,050 | 27,000 | 26,025 |
| | 33,924 | 28,306 | 27,833 | 23,000 | 26,438 | 32,050 | 34,841 | 31,826 |
| | 8,954 | 5,875 | 7,221 | 4,359 | 7,121 | 6,219 | 8,209 | 8,496 |
| | 184 | 78 | 16 | 3 | 6 | 4 | 7 | 300 |
| 25-29 | 43,438 | 32,075 | 28,625 | --- | --- | --- | 51,850 | 40,000 |
| | 36,000 | 27,902 | 22,000 | 42,600 | 41,130 | 26,150 | 33,000 | 34,000 |
| | 30,000 | 24,743 | 17,625 | --- | --- | --- | 32,273 | 28,000 |
| | 37,224 | 28,389 | 23,167 | 42,600 | 41,130 | 26,150 | 40,249 | 35,253 |
| | 9,995 | 5,195 | 6,532 | --- | 24,225 | 3,041 | 10,627 | 10,126 |
| | 156 | 38 | 6 | 1 | 2 | 2 | 5 | 210 |
| 30-34 | 46,000 | 38,988 | 52,000 | --- | 27,233 | 36,000 | 32,200 | 43,500 |
| | 36,800 | 26,000 | 24,664 | 16,000 | 26,200 | 22,000 | 32,000 | 35,520 |
| | 30,000 | 24,000 | 22,600 | --- | 21,250 | 21,030 | 28,350 | 28,600 |
| | 38,635 | 29,690 | 33,088 | 16,000 | 24,633 | 26,343 | 30,850 | 37,107 |
| | 11,689 | 9,206 | 16,411 | --- | 3,677 | 8,377 | 2,167 | 11,862 |
| | 159 | 13 | 3 | 1 | 5 | 3 | 3 | 187 |
| 35-39 | 45,000 | 28,500 | --- | --- | 65,000 | --- | --- | 47,800 |
| | 37,000 | 26,000 | 37,500 | 19,426 | 50,000 | --- | 40,000 | 36,464 |
| | 30,100 | 22,150 | --- | --- | 39,250 | --- | --- | 29,950 |
| | 40,258 | 25,460 | 37,500 | 19,426 | 51,700 | --- | 40,000 | 39,883 |
| | 13,121 | 3,789 | --- | --- | 15,238 | --- | 15,556 | 13,467 |
| | 95 | 5 | 1 | 1 | 5 | 0 | 2 | 109 |
| >=40 | 51,000 | 30,925 | --- | 40,000 | --- | --- | 87,500 | 50,000 |
| | 42,500 | 28,000 | 15,000 | 30,250 | 32,580 | --- | 43,000 | 41,000 |
| | 35,000 | 24,875 | --- | 23,120 | --- | --- | 25,875 | 32,000 |
| | 44,573 | 29,290 | 15,000 | 31,123 | 32,580 | --- | 52,125 | 42,812 |
| | 13,675 | 6,147 | --- | 3,474 | 679 | --- | 33,834 | 14,843 |
| | 103 | 10 | 1 | 3 | 2 | 0 | 4 | 123 |
| No Response | 45,000 | 30,000 | 26,684 | --- | 30,800 | 31,000 | 39,700 | 36,000 |
| | 35,300 | 27,000 | 21,000 | 20,000 | 25,000 | 23,900 | 34,000 | 29,000 |
| | 30,000 | 24,000 | 19,000 | --- | 21,000 | 19,500 | 23,000 | 23,900 |
| | 37,309 | 29,491 | 22,630 | 20,000 | 25,306 | 24,903 | 33,622 | 31,404 |
| | 11,308 | 10,166 | 4,768 | --- | 5,386 | 5,233 | 8,854 | 11,041 |
| | 61 | 27 | 29 | 1 | 7 | 7 | 15 | 147 |
| TOTAL | 43,313 | 31,000 | 26,000 | 27,000 | 30,021 | 28,945 | 39,925 | 37,000 |
| | 35,000 | 26,660 | 21,000 | 22,000 | 25,791 | 23,100 | 32,773 | 30,000 |
| | 29,088 | 23,098 | 18,983 | 20,000 | 21,000 | 19,255 | 27,225 | 24,000 |
| | 37,428 | 27,843 | 22,784 | 25,179 | 27,762 | 23,793 | 35,082 | 32,050 |
| | 11,504 | 6,666 | 5,687 | 8,285 | 10,792 | 7,009 | 13,456 | 11,440 |
| | 842 | 349 | 270 | 23 | 62 | 34 | 48 | 1,628 |

TABLE-4.7.3

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME in COLLEGE/UNIVERSITY
by WORK SPECIALTY and YEARS SINCE BS
1982 Survey of ACS Members

| YEARS SINCE BS | SPECIALTY | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Biochem | Agri./ Food | Analytical | Environment | Organic | Inorganic | Pharm./ med/clin | Physical | Theore. | Polymer/ macro. | Other Chem. | TOTAL |
| 5-9 | 29,700 | --- | 30,425 | 21,200 | 24,500 | 21,120 | 27,750 | 19,250 | --- | --- | --- | 23,375 - 75th %-ile |
| | 19,250 | --- | 21,500 | 18,000 | 21,000 | 20,000 | 21,500 | 18,425 | --- | 24,250 | 21,500 | 20,000 - Median |
| | 15,000 | --- | 18,550 | 16,500 | 19,200 | 17,500 | 12,000 | 17,138 | --- | --- | --- | 18,000 - 25th %-ile |
| | 21,513 | --- | 23,360 | 18,567 | 22,594 | 20,252 | 20,200 | 18,130 | --- | 24,250 | 21,500 | 21,154 - Mean |
| | 7,496 | --- | 8,076 | 2,401 | 5,055 | 2,797 | 8,878 | 1,779 | --- | 6,718 | 707 | 5,480 - Std Dev |
| | 8 | 0 | 10 | 3 | 17 | 15 | 5 | 10 | 0 | 2 | 2 | 72 - Count |
| 10-14 | 30,025 | 25,000 | 26,000 | 33,285 | 24,075 | 25,300 | 29,700 | 24,000 | 33,500 | 34,200 | 26,344 | 28,000 |
| | 27,000 | 23,948 | 21,250 | 27,850 | 21,650 | 21,000 | 26,000 | 21,500 | 31,500 | 29,000 | 24,600 | 22,500 |
| | 20,100 | 22,599 | 18,300 | 21,625 | 19,121 | 20,000 | 22,500 | 19,000 | 24,120 | 22,750 | 16,550 | 20,000 |
| | 26,207 | 23,849 | 22,769 | 28,323 | 23,091 | 22,127 | 26,457 | 21,840 | 29,192 | 28,650 | 22,498 | 24,344 |
| | 7,435 | 1,336 | 6,238 | 7,264 | 7,205 | 3,628 | 3,685 | 3,499 | 7,737 | 6,107 | 5,768 | 6,622 |
| | 46 | 4 | 19 | 8 | 48 | 21 | 7 | 15 | 7 | 4 | 4 | 183 |
| 15-19 | 35,000 | 37,625 | 30,000 | 29,138 | 27,875 | 30,000 | 40,000 | 29,100 | 35,100 | 44,225 | 31,250 | 31,000 |
| | 27,950 | 29,250 | 26,000 | 26,150 | 24,750 | 28,000 | 35,000 | 24,000 | 30,542 | 28,150 | 24,500 | 26,100 |
| | 22,313 | 21,625 | 21,000 | 25,625 | 21,125 | 21,850 | 30,000 | 21,525 | 25,025 | 25,913 | 20,755 | 22,000 |
| | 28,683 | 29,500 | 25,850 | 26,971 | 25,222 | 26,603 | 34,777 | 26,208 | 29,931 | 34,142 | 25,798 | 27,203 |
| | 7,562 | 8,554 | 5,137 | 2,101 | 5,879 | 5,267 | 8,449 | 7,954 | 5,507 | 12,404 | 6,620 | 7,121 |
| | 58 | 4 | 31 | 4 | 80 | 38 | 17 | 41 | 6 | 6 | 12 | 297 |
| 20-24 | 40,750 | 44,425 | 37,775 | 33,500 | 33,205 | 32,209 | 51,375 | 32,395 | 35,700 | 45,486 | 36,000 | 36,000 |
| | 34,500 | 36,000 | 28,750 | 29,000 | 28,142 | 29,500 | 43,750 | 28,981 | 30,600 | 39,200 | 31,000 | 30,000 |
| | 30,000 | 30,000 | 24,857 | 26,525 | 24,000 | 25,150 | 34,125 | 25,450 | 25,400 | 33,525 | 22,323 | 26,025 |
| | 35,335 | 36,988 | 31,053 | 28,875 | 29,519 | 30,220 | 44,417 | 29,950 | 30,880 | 38,741 | 30,097 | 31,826 |
| | 7,983 | 7,587 | 7,905 | 5,246 | 7,420 | 7,784 | 13,232 | 7,248 | 7,379 | 7,422 | 7,284 | 8,496 |
| | 48 | 9 | 34 | 8 | 74 | 42 | 12 | 46 | 13 | 6 | 9 | 300 |
| 25-29 | 48,568 | 55,000 | 45,000 | 44,750 | 36,000 | 38,400 | 53,375 | 37,800 | 37,000 | 52,023 | 59,320 | 40,000 |
| | 39,900 | 37,000 | 32,500 | 39,300 | 32,775 | 32,000 | 48,500 | 32,300 | 24,000 | 34,525 | 41,500 | 34,000 |
| | 31,250 | 35,000 | 26,000 | 34,000 | 27,853 | 26,880 | 39,313 | 25,000 | 22,000 | 30,000 | 20,079 | 28,000 |
| | 40,278 | 42,333 | 34,655 | 39,360 | 32,799 | 31,596 | 47,925 | 32,532 | 27,667 | 36,398 | 40,346 | 35,253 |
| | 11,542 | 11,015 | 10,383 | 5,583 | 7,745 | 7,308 | 10,277 | 8,991 | 8,145 | 8,055 | 18,674 | 10,126 |
| | 37 | 3 | 18 | 5 | 68 | 23 | 8 | 31 | 3 | 8 | 6 | 210 |
| 30-34 | 51,500 | 50,125 | 34,500 | 36,000 | 38,275 | 41,950 | 51,100 | 39,338 | --- | 54,000 | 38,706 | 43,500 |
| | 46,000 | 47,000 | 28,750 | 34,000 | 32,000 | 34,500 | 48,245 | 32,634 | --- | 50,000 | 31,850 | 35,520 |
| | 34,981 | 42,375 | 27,000 | 32,000 | 26,625 | 29,050 | 42,250 | 29,250 | --- | 32,000 | 21,373 | 28,600 |
| | 43,869 | 46,500 | 29,928 | 34,000 | 33,595 | 38,352 | 47,029 | 34,045 | --- | 43,257 | 31,884 | 37,107 |
| | 13,956 | 4,143 | 5,414 | 2,000 | 9,781 | 16,833 | 7,547 | 6,701 | --- | 13,051 | 10,727 | 11,862 |
| | 36 | 4 | 18 | 3 | 44 | 20 | 10 | 37 | 0 | 7 | 8 | 187 |
| 35-39 | 59,750 | 45,000 | 36,322 | 54,000 | 42,408 | 40,300 | 81,465 | 41,913 | --- | --- | 32,375 | 47,800 |
| | 50,000 | 45,000 | 28,000 | 50,600 | 35,000 | 30,500 | 52,000 | 35,500 | --- | 41,000 | 30,250 | 36,464 |
| | 32,000 | 42,500 | 26,500 | 40,000 | 30,175 | 26,000 | 33,250 | 30,813 | --- | --- | 27,750 | 29,950 |
| | 47,279 | 44,167 | 31,583 | 48,200 | 36,920 | 32,936 | 56,286 | 36,886 | --- | 41,000 | 30,125 | 39,383 |
| | 14,278 | 1,443 | 8,555 | 7,302 | 10,869 | 9,870 | 27,708 | 7,857 | --- | --- | 2,462 | 13,467 |
| | 28 | 3 | 9 | 3 | 28 | 12 | 5 | 16 | 0 | 1 | 4 | 109 |
| >=40 | 68,000 | 51,750 | 38,060 | --- | 49,875 | 42,500 | --- | 47,500 | 41,625 | 58,000 | --- | 50,000 |
| | 51,600 | 49,200 | 34,400 | --- | 37,520 | 33,000 | 53,000 | 41,000 | 28,600 | 47,000 | 33,750 | 41,000 |
| | 42,000 | 38,625 | 29,648 | --- | 32,000 | 28,975 | --- | 32,050 | 23,300 | 31,750 | --- | 32,000 |
| | 53,204 | 46,650 | 34,564 | --- | 40,573 | 35,631 | 53,000 | 41,591 | 31,175 | 45,500 | 33,750 | 42,812 |
| | 19,309 | 6,775 | 4,801 | --- | 13,887 | 10,537 | --- | 10,938 | 9,941 | 14,567 | 14,496 | 14,843 |
| | 27 | 6 | 8 | 0 | 32 | 13 | 1 | 25 | 4 | 5 | 2 | 123 |
| No Response | 41,850 | 51,500 | 26,400 | 41,000 | 39,905 | 28,750 | 56,000 | 37,200 | 27,800 | 55,000 | 38,500 | 39,000 |
| | 31,000 | 36,600 | 20,000 | 33,000 | 30,017 | 25,250 | 29,701 | 30,000 | 26,000 | 41,500 | 26,000 | 29,000 |
| | 25,050 | 29,000 | 18,130 | 22,900 | 23,500 | 20,500 | 25,000 | 25,020 | 23,000 | 31,839 | 22,000 | 25,900 |
| | 34,692 | 39,520 | 22,635 | 32,300 | 32,288 | 24,892 | 32,821 | 32,607 | 25,600 | 42,113 | 29,468 | 31,404 |
| | 11,890 | 11,613 | 5,333 | 9,070 | 10,770 | 4,545 | 13,073 | 12,245 | 2,425 | 11,550 | 8,440 | 11,041 |
| | 25 | 5 | 12 | 3 | 36 | 16 | 15 | 19 | 3 | 4 | 9 | 147 |
| TOTAL | 45,000 | 47,850 | 32,500 | 36,000 | 35,000 | 32,626 | 47,125 | 36,000 | 33,375 | 47,000 | 37,000 | 37,000 |
| | 33,500 | 38,500 | 27,285 | 30,084 | 28,400 | 27,888 | 36,000 | 30,000 | 29,292 | 35,950 | 27,000 | 30,000 |
| | 27,000 | 30,000 | 22,355 | 25,750 | 23,000 | 22,000 | 29,000 | 24,245 | 24,340 | 29,000 | 21,325 | 24,900 |
| | 36,532 | 38,711 | 28,416 | 31,391 | 30,205 | 28,995 | 38,635 | 31,162 | 29,719 | 37,915 | 29,711 | 32,050 |
| | 14,207 | 10,130 | 8,125 | 8,938 | 9,955 | 9,644 | 14,772 | 9,886 | 6,941 | 11,238 | 10,120 | 11,440 |
| | 313 | 37 | 159 | 37 | 427 | 200 | 80 | 240 | 36 | 43 | 56 | 1,628 |

TABLE-5.1.1

SALARIES of POST-DOCTORAL CHEMISTS
by TYPE OF SCHOOL and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCHOOL TYPE | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Doctorate | --- | --- | 14,211 | 18,000 | 17,330 | 41,450 | --- | --- | --- | --- | 18,000 | 17,000 - 75th %-ile |
| | --- | 15,950 | 13,750 | 15,820 | 16,000 | 18,650 | 18,000 | 13,000 | --- | 20,500 | 14,200 | 14,400 - Median |
| | --- | --- | 13,000 | 14,650 | 15,200 | 17,658 | --- | --- | --- | --- | 13,000 | 13,170 - 25th %-ile |
| | --- | 15,950 | 13,754 | 16,381 | 16,530 | 25,919 | 18,000 | 13,000 | --- | 20,500 | 15,808 | 15,362 - Mean |
| | --- | 2,192 | 1,854 | 2,702 | 1,958 | 15,399 | --- | --- | --- | --- | 3,523 | 3,904 - Std Dev |
| | 0 | 2 | 68 | 38 | 11 | 4 | 1 | 1 | 0 | 1 | 20 | 146 - Count |
| Non-Doctorate | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | --- | --- | 15,833 | 11,000 | --- | --- | 20,000 | --- | 33,000 | --- | --- | 29,750 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 17,917 |
| | --- | --- | 15,833 | 11,000 | --- | --- | 20,000 | --- | 33,000 | --- | --- | 12,208 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 19,958 |
| | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 9,440 |
| | | | | | | | | | | | | 4 |
| TOTAL | --- | --- | 14,325 | 18,000 | 17,330 | 41,450 | --- | --- | --- | --- | 18,000 | 17,000 |
| | --- | 15,950 | 14,000 | 15,800 | 16,000 | 18,650 | 19,000 | 13,000 | 33,000 | 20,500 | 14,200 | 14,400 |
| | --- | --- | 13,000 | 14,500 | 15,200 | 17,658 | --- | --- | --- | --- | 13,000 | 13,170 |
| | --- | 15,950 | 13,784 | 16,243 | 16,530 | 25,919 | 19,000 | 13,000 | 33,000 | 20,500 | 15,808 | 15,484 |
| | --- | 2,192 | 1,857 | 2,802 | 1,958 | 15,399 | 1,414 | --- | --- | --- | 3,523 | 4,145 |
| | 0 | 2 | 69 | 39 | 11 | 4 | 2 | 1 | 1 | 1 | 20 | 150 |

TABLE-6.1.1

SALARIES of FULL-TIME EMPLOYED CHEMICAL ENGINEERS
by HIGHEST DEGREE and YEARS SINCE BS
1982 Survey of ACS Members

| | YEARS SINCE BS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HIGHEST DEGREE | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >=40 | No Resp | TOTAL |
| Bachelors | 25,500 | 27,500 | 33,000 | 36,875 | 44,500 | 46,375 | 55,400 | 53,000 | 62,700 | 54,000 | --- | 50,000 - 75th %-ile |
| | 24,150 | 25,950 | 29,100 | 31,700 | 38,540 | 40,560 | 45,000 | 46,050 | 54,000 | 44,000 | --- | 40,000 - Median |
| | 18,375 | 23,475 | 25,500 | 28,140 | 35,000 | 35,985 | 40,000 | 39,925 | 42,000 | 34,500 | --- | 30,090 - 25th %-ile |
| | 22,067 | 25,225 | 28,232 | 33,649 | 40,732 | 41,807 | 46,739 | 48,728 | 53,421 | 47,125 | --- | 42,114 - Mean |
| | 5,339 | 3,858 | 5,537 | 7,859 | 7,246 | 11,664 | 11,444 | 15,348 | 15,298 | 14,626 | --- | 15,421 - Std Dev |
| | 6 | 32 | 31 | 16 | 17 | 26 | 31 | 70 | 43 | 33 | 0 | 305 - Count |
| Masters | --- | 31,850 | 34,140 | 42,200 | 52,500 | 49,650 | 54,750 | 60,000 | 51,900 | 55,000 | 47,500 | 51,925 |
| | --- | 29,850 | 31,700 | 34,900 | 40,000 | 42,000 | 48,420 | 51,000 | 46,200 | 50,000 | 39,600 | 42,000 |
| | --- | 27,525 | 28,446 | 30,000 | 33,500 | 37,263 | 40,250 | 44,400 | 38,520 | 40,000 | 30,500 | 33,750 |
| | --- | 29,600 | 32,080 | 36,173 | 44,039 | 42,221 | 48,032 | 54,147 | 48,054 | 49,846 | 39,058 | 44,208 |
| | --- | 2,403 | 5,363 | 6,893 | 14,241 | 7,505 | 10,428 | 15,944 | 13,191 | 10,189 | 9,704 | 13,458 |
| | 0 | 6 | 38 | 21 | 21 | 19 | 20 | 43 | 31 | 35 | 12 | 246 |
| Doctorate | --- | --- | 38,750 | 40,750 | 54,875 | 60,000 | 60,700 | 60,000 | 59,640 | 63,000 | 53,250 | 55,000 |
| | --- | 27,000 | 35,000 | 37,310 | 45,000 | 51,000 | 48,600 | 48,000 | 47,700 | 50,000 | 40,750 | 45,000 |
| | --- | --- | 32,125 | 32,070 | 36,925 | 45,000 | 42,120 | 41,600 | 40,500 | 39,000 | 32,400 | 36,425 |
| | --- | 27,000 | 35,095 | 37,358 | 46,371 | 52,490 | 51,494 | 50,539 | 49,976 | 52,528 | 44,208 | 46,627 |
| | --- | --- | 6,210 | 8,898 | 11,993 | 12,573 | 14,817 | 12,731 | 13,081 | 15,051 | 13,644 | 13,618 |
| | 0 | 1 | 28 | 52 | 52 | 51 | 37 | 43 | 21 | 31 | 26 | 342 |
| No Response | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 56,000 | 56,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 40,000 | 40,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 33,000 | 33,000 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 43,600 | 43,600 |
| | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 12,095 | 12,095 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| TOTAL | 25,500 | 28,000 | 35,000 | 41,000 | 52,250 | 54,770 | 57,350 | 59,865 | 59,280 | 58,000 | 50,000 | 52,475 |
| | 24,150 | 26,500 | 32,000 | 36,000 | 42,000 | 46,400 | 47,820 | 48,150 | 48,000 | 49,200 | 40,000 | 42,000 |
| | 18,375 | 24,000 | 27,850 | 30,000 | 36,825 | 40,000 | 40,601 | 41,125 | 40,000 | 40,000 | 32,100 | 34,000 |
| | 22,067 | 25,944 | 31,720 | 36,412 | 44,762 | 47,564 | 49,032 | 50,721 | 50,908 | 49,779 | 42,700 | 44,415 |
| | 5,339 | 3,934 | 6,230 | 8,315 | 11,923 | 12,549 | 12,823 | 14,924 | 14,222 | 13,416 | 12,438 | 14,314 |
| | 6 | 39 | 97 | 89 | 90 | 96 | 88 | 156 | 95 | 99 | 43 | 898 |

TABLE-7.1.0

EMPLOYMENT STATUS OF RESPONDENTS
by WORK FIELD
1982 Survey of ACS Members

| EMPLOYMENT STATUS | WORK FIELD: Chemical Engineering | Chemistry | Non-Chemical | No Response | TOTAL | |
|---|---|---|---|---|---|---|
| Post-doctorate or Other Fellowship | 6 | 204 | 6 | 3 | 219 | -Count |
| | 2.7% | 93.2% | 2.7% | 1.4% | 100.0% | -% of Row |
| | 0.6% | 2.1% | 0.5% | 1.4% | 1.8% | -% of Col |
| Employed Full-time | 956 | 8,761 | 1,028 | 163 | 10,908 | |
| | 8.8% | 80.3% | 9.4% | 1.5% | 100.0% | |
| | 89.7% | 91.2% | 89.5% | 73.8% | 90.6% | |
| Unemployed Seeking | 18 | 144 | 24 | 9 | 195 | |
| | 9.2% | 73.8% | 12.3% | 4.6% | 100.0% | |
| | 1.7% | 1.5% | 2.1% | 4.1% | 1.6% | |
| Unemployed Not Seeking | 20 | 84 | 18 | 15 | 137 | |
| | 14.6% | 61.3% | 13.1% | 10.9% | 100.0% | |
| | 1.9% | 0.9% | 1.6% | 6.8% | 1.1% | |
| Employed Part-time | 16 | 126 | 21 | 3 | 166 | |
| | 9.6% | 75.9% | 12.7% | 1.8% | 100.0% | |
| | 1.5% | 1.3% | 1.8% | 1.4% | 1.4% | |
| No Response | 50 | 285 | 52 | 28 | 415 | |
| | 12.0% | 68.7% | 12.5% | 6.7% | 100.0% | |
| | 4.7% | 3.0% | 4.5% | 12.7% | 3.4% | |
| TOTAL | 1,066 | 9,604 | 1,149 | 221 | 12,040 | |
| | 8.9% | 79.8% | 9.5% | 1.8% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-7.2.0

EMPLOYMENT STATUS OF CHEMISTS
by HIGHEST DEGREE
1982 Survey of ACS Members

| EMPLOYMENT STATUS | HIGHEST DEGREE Bachelors | Masters | Doctorate | No Response | TOTAL | |
|---|---|---|---|---|---|---|
| Post-doctorate or Other Fellowship | 2 | 5 | 196 | 1 | 204 | -Count |
| | 1.0% | 2.5% | 96.1% | 0.5% | 100.0% | -% of Row |
| | 0.1% | 0.3% | 3.6% | 1.1% | 2.1% | -% of Col |
| Employed Full-time | 2,196 | 1,524 | 4,955 | 86 | 8,761 | |
| | 25.1% | 17.4% | 56.6% | 1.0% | 100.0% | |
| | 91.2% | 93.4% | 90.6% | 91.5% | 91.2% | |
| Unemployed Seeking | 52 | 22 | 67 | 3 | 144 | |
| | 36.1% | 15.3% | 46.5% | 2.1% | 100.0% | |
| | 2.2% | 1.3% | 1.2% | 3.2% | 1.5% | |
| Unemployed Not Seeking | 40 | 12 | 31 | 1 | 84 | |
| | 47.6% | 14.3% | 36.9% | 1.2% | 100.0% | |
| | 1.7% | 0.7% | 0.6% | 1.1% | 0.9% | |
| Employed Full-time | 43 | 21 | 62 | 0 | 126 | |
| | 34.1% | 16.7% | 49.2% | 0.0% | 100.0% | |
| | 1.8% | 1.3% | 1.1% | 0.0% | 1.3% | |
| No Response | 76 | 47 | 159 | 3 | 285 | |
| | 26.7% | 16.5% | 55.8% | 1.1% | 100.0% | |
| | 3.2% | 2.9% | 2.9% | 3.2% | 3.0% | |
| TOTAL | 2,409 | 1,631 | 5,470 | 94 | 9,604 | |
| | 25.1% | 17.0% | 57.0% | 1.0% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABBLE-7.2.1

EMPLOYMENT STATUS OF CHEMISTS - MEN Only
by HIGHEST DEGREE
1982 Survey of ACS Members

| EMPLOYMENT STATUS | HIGHEST DEGREE | | | | | |
|---|---|---|---|---|---|---|
| | Bachelors | Masters | Doctorate | No Response | TOTAL | |
| Post-doctorate or Other Fellowship | 1 | 3 | 154 | 0 | 158 | -Count |
| | 0.6% | 1.9% | 97.5% | 0.0% | 100.0% | -% of Row |
| | 0.1% | 0.2% | 3.1% | 0.0% | 1.9% | -% of Col |
| Employed Full-time | 1,766 | 1,258 | 4,513 | 72 | 7,609 | |
| | 23.2% | 16.5% | 59.3% | 0.9% | 100.0% | |
| | 92.6% | 95.2% | 91.6% | 92.3% | 92.4% | |
| Unemployed Seeking | 38 | 13 | 54 | 2 | 107 | |
| | 35.5% | 12.1% | 50.5% | 1.9% | 100.0% | |
| | 2.0% | 1.0% | 1.1% | 2.6% | 1.3% | |
| Unemployed Not Seeking | 20 | 5 | 20 | 1 | 46 | |
| | 43.5% | 10.9% | 43.5% | 2.2% | 100.0% | |
| | 1.0% | 0.4% | 0.4% | 1.3% | 0.6% | |
| Employed Part-time | 26 | 5 | 41 | 0 | 72 | |
| | 36.1% | 6.9% | 56.9% | 0.0% | 100.0% | |
| | 1.4% | 0.4% | 0.8% | 0.0% | 0.9% | |
| No Response | 57 | 38 | 147 | 3 | 245 | |
| | 23.3% | 15.5% | 60.0% | 1.2% | 100.0% | |
| | 3.0% | 2.9% | 3.0% | 3.8% | 3.0% | |
| TOTAL | 1,908 | 1,322 | 4,929 | 78 | 8,237 | |
| | 23.2% | 16.0% | 59.8% | 0.9% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-7.2.2

EMPLOYMENT STATUS OF CHEMISTS - WOMEN Only
by HIGHEST DEGREE
1982 Survey of ACS Members

| EMPLOYMENT STATUS | HIGHEST DEGREE Bachelors | Masters | Doctorate | No Response | TOTAL | |
|---|---|---|---|---|---|---|
| Post-doctorate or Other Fellowship | 1 | 2 | 40 | 1 | 44 | -Count |
| | 2.3% | 4.5% | 90.9% | 2.3% | 100.0% | -% of Row |
| | 0.2% | 0.7% | 8.8% | 9.1% | 3.6% | -% of Col |
| Employed Full-time | 404 | 246 | 366 | 9 | 1,025 | |
| | 39.4% | 24.0% | 35.7% | 0.9% | 100.0% | |
| | 86.0% | 86.0% | 80.8% | 81.8% | 84.0% | |
| Unemployed Full-time | 13 | 9 | 10 | 1 | 33 | |
| | 39.4% | 27.3% | 30.3% | 3.0% | 100.0% | |
| | 2.8% | 3.1% | 2.2% | 9.1% | 2.7% | |
| Unemployed Not Seeking | 18 | 7 | 9 | 0 | 34 | |
| | 52.9% | 20.6% | 26.5% | 0.0% | 100.0% | |
| | 3.8% | 2.4% | 2.0% | 0.0% | 2.8% | |
| Employed Part-time | 16 | 15 | 19 | 0 | 50 | |
| | 32.0% | 30.0% | 38.0% | 0.0% | 100.0% | |
| | 3.4% | 5.2% | 4.2% | 0.0% | 4.1% | |
| No Response | 18 | 7 | 9 | 0 | 34 | |
| | 52.9% | 20.6% | 26.5% | 0.0% | 100.0% | |
| | 3.8% | 2.4% | 2.0% | 0.0% | 2.8% | |
| TOTAL | 470 | 286 | 453 | 11 | 1,220 | |
| | 38.5% | 23.4% | 37.1% | 0.9% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-7.3.0

EMPLOYMENT STATUS OF CHEMISTS
by AGE LEVEL
1982 Survey of ACS Members

| EMPLOYMENT STATUS | AGE LEVEL 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | >=70 | No Response | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Post-doctorate or Other Fellowship | 1 | 90 | 60 | 27 | 16 | 2 | 3 | 1 | 2 | 0 | 1 | 1 | 204 | -Count |
| | 0.5% | 44.1% | 29.4% | 13.2% | 7.8% | 1.0% | 1.5% | 0.5% | 1.0% | 0.0% | 0.5% | 0.5% | 100.0% | -% of Row |
| | 0.4% | 8.5% | 4.2% | 1.8% | 1.2% | 0.2% | 0.3% | 0.1% | 0.3% | 0.0% | 3.8% | 1.7% | 2.1% | -% of Col |
| Employed Full-time | 208 | 920 | 1,281 | 1,409 | 1,281 | 966 | 997 | 901 | 597 | 129 | 21 | 52 | 8,761 | |
| | 2.4% | 10.5% | 14.6% | 16.1% | 14.6% | 11.0% | 11.4% | 10.5% | 6.8% | 1.5% | 0.2% | 0.6% | 100.0% | |
| | 93.3% | 86.4% | 90.5% | 91.7% | 92.6% | 94.3% | 93.6% | 92.5% | 88.4% | 81.0% | 80.8% | 89.7% | 91.2% | |
| Unemployed Seeking | 6 | 13 | 20 | 27 | 20 | 13 | 17 | 12 | 11 | 4 | 1 | 0 | 144 | |
| | 4.2% | 9.0% | 13.9% | 18.8% | 13.9% | 9.0% | 11.8% | 8.3% | 7.6% | 2.8% | 0.7% | 0.0% | 100.0% | |
| | 2.7% | 1.2% | 1.4% | 1.8% | 1.4% | 1.3% | 1.6% | 1.2% | 1.6% | 2.5% | 3.8% | 0.0% | 1.5% | |
| Unemployed Not Seeking | 1 | 6 | 11 | 9 | 8 | 5 | 3 | 8 | 19 | 12 | 1 | 1 | 84 | |
| | 1.2% | 7.1% | 13.1% | 10.7% | 9.5% | 6.0% | 3.6% | 9.5% | 22.6% | 14.3% | 1.2% | 1.2% | 100.0% | |
| | 0.4% | 0.6% | 0.8% | 0.6% | 0.6% | 0.5% | 0.3% | 0.8% | 2.8% | 7.6% | 3.8% | 1.7% | 0.9% | |
| Employed Part-time | 2 | 13 | 16 | 19 | 16 | 5 | 5 | 21 | 14 | 11 | 2 | 2 | 126 | |
| | 1.6% | 10.3% | 12.7% | 15.1% | 12.7% | 4.0% | 4.0% | 16.7% | 11.1% | 8.7% | 1.6% | 1.6% | 100.0% | |
| | 0.9% | 1.2% | 1.1% | 1.2% | 1.2% | 0.5% | 0.5% | 2.2% | 2.1% | 7.0% | 7.7% | 3.4% | 1.3% | |
| No Response | 5 | 23 | 28 | 45 | 43 | 33 | 40 | 31 | 32 | 3 | 0 | 2 | 285 | |
| | 1.8% | 8.1% | 9.8% | 15.8% | 15.1% | 11.6% | 14.0% | 10.9% | 11.2% | 1.1% | 0.0% | 0.7% | 100.0% | |
| | 2.2% | 2.2% | 2.0% | 2.9% | 3.1% | 3.2% | 3.8% | 3.2% | 4.7% | 1.9% | 0.0% | 3.4% | 3.0% | |
| TOTAL | 223 | 1,065 | 1,416 | 1,536 | 1,384 | 1,024 | 1,065 | 974 | 675 | 158 | 26 | 58 | 9,604 | |
| | 2.3% | 11.1% | 14.7% | 16.0% | 14.4% | 10.7% | 11.1% | 10.1% | 7.0% | 1.6% | 0.3% | 0.6% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-7.4.0

EMPLOYMENT STATUS OF CHEMISTS
by MINORITY GROUP CLASSIFICATION
1982 Survey of ACS Members

| | RACE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| EMPLOYMENT STATUS | White | Black | American Indian | Asian/ Pacific | Hispanic | None of Above | No Response | TOTAL | |
| Post-doctorate or Other Fellowship | 149 | 0 | 1 | 47 | 2 | 3 | 2 | 204 | -Count |
| | 73.0% | 0.0% | 0.5% | 23.0% | 1.0% | 1.5% | 1.0% | 100.0% | -% of Row |
| | 1.7% | 0.0% | 6.3% | 8.4% | 3.1% | 8.6% | 2.7% | 2.1% | -% of Col |
| Employed Full-time | 8,026 | 88 | 13 | 478 | 58 | 30 | 68 | 8,761 | |
| | 91.6% | 1.0% | 0.1% | 5.5% | 0.7% | 0.3% | 0.8% | 100.0% | |
| | 91.6% | 91.7% | 81.3% | 85.5% | 89.2% | 85.7% | 90.7% | 91.2% | |
| Unemployed Seeking | 131 | 2 | 1 | 7 | 2 | 0 | 1 | 144 | |
| | 91.0% | 1.4% | 0.7% | 4.9% | 1.4% | 0.0% | 0.7% | 100.0% | |
| | 1.5% | 2.1% | 6.3% | 1.3% | 3.1% | 0.0% | 1.3% | 1.5% | |
| Unemployed Not Seeking | 77 | 0 | 0 | 5 | 1 | 0 | 1 | 84 | |
| | 91.7% | 0.0% | 0.0% | 6.0% | 1.2% | 0.0% | 1.2% | 100.0% | |
| | 0.9% | 0.0% | 0.0% | 0.9% | 1.5% | 0.0% | 1.3% | 0.9% | |
| Employed Part-time | 113 | 2 | 0 | 7 | 1 | 1 | 2 | 126 | |
| | 89.7% | 1.6% | 0.0% | 5.6% | 0.8% | 0.8% | 1.6% | 100.0% | |
| | 1.3% | 2.1% | 0.0% | 1.3% | 1.5% | 2.9% | 2.7% | 1.3% | |
| No Response | 262 | 4 | 1 | 15 | 1 | 1 | 1 | 285 | |
| | 91.9% | 1.4% | 0.4% | 5.3% | 0.4% | 0.4% | 0.4% | 100.0% | |
| | 3.0% | 4.2% | 6.3% | 2.7% | 1.5% | 2.9% | 1.3% | 3.0% | |
| TOTAL | 8,758 | 96 | 16 | 559 | 65 | 35 | 75 | 9,604 | |
| | 91.2% | 1.0% | 0.2% | 5.8% | 0.7% | 0.4% | 0.8% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-7.5.0

EMPLOYMENT STATUS OF CHEMISTS
by CITIZENSHIP
1982 Survey of ACS Members

| | CITIZENSHIP | | | | | |
|---|---|---|---|---|---|---|
| EMPLOYMENT STATUS | US Citizen | Permanent Resident | Other | No Response | TOTAL | |
| Post-doctorate or Other Fellowship | 147 | 19 | 36 | 2 | 204 | -Count |
| | 72.1% | 9.3% | 17.6% | 1.0% | 100.0% | -% of Row |
| | 1.6% | 5.2% | 56.3% | 2.9% | 2.1% | -% of Col |
| Employed Full-time | 8,348 | 328 | 26 | 59 | 8,761 | |
| | 95.3% | 3.7% | 0.3% | 0.7% | 100.0% | |
| | 91.7% | 90.4% | 40.6% | 84.3% | 91.2% | |
| Unemployed Seeking | 138 | 4 | 0 | 2 | 144 | |
| | 95.8% | 2.8% | 0.0% | 1.4% | 100.0% | |
| | 1.5% | 1.1% | 0.0% | 2.9% | 1.5% | |
| Unemployed Not Seeking | 82 | 1 | 1 | 0 | 84 | |
| | 97.6% | 1.2% | 1.2% | 0.0% | 100.0% | |
| | 0.9% | 0.3% | 1.6% | 0.0% | 0.9% | |
| Employed Part-time | 117 | 5 | 1 | 3 | 126 | |
| | 92.9% | 4.0% | 0.8% | 2.4% | 100.0% | |
| | 1.3% | 1.4% | 1.6% | 4.3% | 1.3% | |
| No Response | 275 | 6 | 0 | 4 | 285 | |
| | 96.5% | 2.1% | 0.0% | 1.4% | 100.0% | |
| | 3.0% | 1.7% | 0.0% | 5.7% | 3.0% | |
| TOTAL | 9,107 | 363 | 64 | 70 | 9,604 | |
| | 94.8% | 3.8% | 0.7% | 0.7% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-7.6.0

EMPLOYMENT STATUS OF CHEMISTS
by EMPLOYER TYPE
1982 Survey of ACS Members

| EMPLOYMENT STATUS | EMPLOYER TYPE: Industry | Govern-ment | Other Non-Acad. | College/ Univ. | No Response | TOTAL | |
|---|---|---|---|---|---|---|---|
| Post-doctorate or Other Fellowship | 5 | 20 | 14 | 161 | 4 | 204 | -Count |
| | 2.5% | 9.8% | 6.9% | 78.9% | 2.0% | 100.0% | -% of Row |
| | 0.1% | 2.2% | 2.5% | 7.3% | 1.6% | 2.1% | -% of Col |
| Employed Full-time | 5,347 | 838 | 476 | 1,883 | 217 | 8,761 | |
| | 61.0% | 9.6% | 5.4% | 21.5% | 2.5% | 100.0% | |
| | 94.4% | 91.0% | 86.5% | 85.0% | 85.4% | 91.2% | |
| Unemployed Seeking | 87 | 7 | 14 | 28 | 8 | 144 | |
| | 60.4% | 4.9% | 9.7% | 19.4% | 5.6% | 100.0% | |
| | 1.5% | 0.8% | 2.5% | 1.3% | 3.1% | 1.5% | |
| Unemployed Not Seeking | 40 | 12 | 7 | 21 | 4 | 84 | |
| | 47.6% | 14.3% | 8.3% | 25.0% | 4.8% | 100.0% | |
| | 0.7% | 1.3% | 1.3% | 0.9% | 1.6% | 0.9% | |
| Employed Part-time | 27 | 10 | 25 | 59 | 5 | 126 | |
| | 21.4% | 7.9% | 19.8% | 46.8% | 4.0% | 100.0% | |
| | 0.5% | 1.1% | 4.5% | 2.7% | 2.0% | 1.3% | |
| No Response | 158 | 34 | 14 | 63 | 16 | 285 | |
| | 55.4% | 11.9% | 4.9% | 22.1% | 5.6% | 100.0% | |
| | 2.8% | 3.7% | 2.5% | 2.8% | 6.3% | 3.0% | |
| TOTAL | 5,664 | 921 | 550 | 2,215 | 254 | 9,604 | |
| | 59.0% | 9.6% | 5.7% | 23.1% | 2.6% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-7.6.1

EMPLOYMENT STATUS of CHEMISTS
by NON-ACADEMIC EMPLOYER
1982 Survey of ACS Members

NON-ACADEMIC EMPLOYER

| EMPLOYMENT STATUS | Mfg Chem | Mfg Coat | Mfg Food | Mfg Metals | Mfg Paper | Mfg Petro | Mfg Pharm | Mfg Rubber | Mfg Other | Non-Mfg | Federal Govt | State/Local | Hospital | Non-Profit | Self-Employed | Other Employ | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Post-doctorate or Other Fellowship | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 17 | 3 | 2 | 11 | 0 | 1 | 39 | -Count |
| | 5.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 2.6% | 0.0% | 2.6% | 2.6% | 43.6% | 7.7% | 5.1% | 28.2% | 0.0% | 2.6% | 100.0% | -% of Row |
| | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.1% | 0.0% | 0.1% | 0.3% | 2.5% | 1.3% | 1.4% | 3.9% | 0.0% | 2.1% | 0.5% | -% of Col |
| Employed Full-time | 1,860 | 267 | 204 | 155 | 72 | 344 | 894 | 129 | 1,083 | 339 | 626 | 212 | 123 | 253 | 58 | 42 | 6,661 | |
| | 27.9% | 4.0% | 3.1% | 2.3% | 1.1% | 5.2% | 13.4% | 1.9% | 16.3% | 5.1% | 9.4% | 3.2% | .8% | 3.8% | 0.9% | 0.6% | 100.0% | |
| | 95.1% | 92.0% | 91.9% | 93.4% | 96.0% | 93.7% | 96.0% | 94.9% | 93.5% | 92.9% | 90.6% | 92.2% | 88.5% | 90.7% | 68.2% | 87.5% | 93.4% | |
| Unemployed Seeking | 23 | 3 | 4 | 3 | 2 | 4 | 11 | 0 | 23 | 13 | 6 | 1 | 5 | 6 | 2 | 1 | 107 | |
| | 21.5% | 2.8% | 3.7% | 2.8% | 1.9% | 3.7% | 10.3% | 0.0% | 21.5% | 12.1% | 5.6% | 0.9% | 4.7% | 5.6% | 1.9% | 0.9% | 100.0% | |
| | 1.2% | 1.0% | 1.8% | 1.8% | 2.7% | 1.1% | 1.2% | 0.0% | 2.0% | 3.6% | 0.9% | 0.4% | 3.6% | 2.2% | 2.4% | 2.1% | 1.5% | |
| Unemployed Not Seeking | 13 | 6 | 3 | 1 | 0 | 3 | 4 | 1 | 9 | 0 | 10 | 2 | 2 | 4 | 1 | 1 | 60 | |
| | 21.7% | 10.0% | 5.0% | 1.7% | 0.0% | 5.0% | 6.7% | 1.7% | 15.0% | 0.0% | 16.7% | 3.3% | 3.3% | 6.7% | 1.7% | 1.7% | 100.0% | |
| | 0.7% | 2.1% | 1.4% | 0.6% | 0.0% | 0.8% | 0.4% | 0.7% | 0.8% | 0.0% | 1.4% | 0.9% | 1.4% | 1.4% | 1.2% | 2.1% | 0.8% | |
| Employed Part-time | 8 | 3 | 0 | 0 | 0 | 4 | 1 | 1 | 7 | 3 | 9 | 1 | 2 | 2 | 20 | 1 | 62 | |
| | 12.9% | 4.8% | 0.0% | 0.0% | 0.0% | 6.5% | 1.6% | 1.6% | 11.3% | 4.8% | 14.5% | 1.6% | 3.2% | 3.2% | 32.3% | 1.6% | 100.0% | |
| | 0.4% | 1.0% | 0.0% | 0.0% | 0.0% | 1.1% | 0.1% | 0.7% | 0.6% | 0.8% | 1.3% | 0.4% | 1.4% | 0.7% | 23.5% | 2.1% | 0.9% | |
| No Response | 50 | 8 | 11 | 7 | 1 | 12 | 20 | 5 | 35 | 9 | 23 | 11 | 5 | 3 | 4 | 2 | 206 | |
| | 24.3% | 3.9% | 5.3% | 3.4% | 0.5% | 5.8% | 9.7% | 2.4% | 17.0% | 4.4% | 11.2% | 5.3% | 2.4% | 1.5% | 1.9% | 1.0% | 100.0% | |
| | 2.6% | 2.8% | 5.0% | 4.2% | 1.3% | 3.3% | 2.1% | 3.7% | 3.0% | 2.5% | 3.3% | 4.8% | 3.6% | 1.1% | 4.7% | 4.2% | 2.9% | |
| TOTAL | 1,956 | 287 | 222 | 166 | 75 | 367 | 931 | 136 | 1,158 | 365 | 691 | 230 | 139 | 279 | 85 | 48 | 7,135 | |
| | 27.4% | 4.0% | 3.1% | 2.3% | 1.1% | 5.1% | 13.0% | 1.9% | 16.2% | 5.1% | 9.7% | 3.2% | 1.9% | 3.9% | 1.2% | 0.7% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-7.6.2

EMPLOYMENT STATUS OF CHEMISTS
by ACADEMIC EMPLOYER
1982 Survey of ACS Members

| EMPLOYMENT STATUS | ACADEMIC EMPLOYER: Private Doctorate | Private Master | Private Bachelor | Private Assoc. | Public Doctor. | Public Master | Public Bachelor | Public Assoc. | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|
| Postdoctorate or Other Fellowship | 70 | 0 | 4 | 0 | 87 | 0 | 0 | 0 | 161 | -Count |
| | 43.5% | 0.0% | 2.5% | 0.0% | 54.0% | 0.0% | 0.0% | 0.0% | 100.0% | -% of Row |
| | 14.8% | 0.0% | 1.3% | 0.0% | 9.9% | 0.0% | 0.0% | 0.0% | 7.3% | -% of Col |
| Employed Full-time | 353 | 95 | 269 | 17 | 733 | 171 | 131 | 114 | 1,883 | |
| | 18.7% | 5.0% | 14.3% | 0.9% | 38.9% | 9.1% | 7.0% | 6.1% | 100.0% | |
| | 74.8% | 95.0% | 90.3% | 89.5% | 83.4% | 95.0% | 94.2% | 89.1% | 85.0% | |
| Unemployed Seeking | 11 | 2 | 2 | 1 | 10 | 1 | 1 | 0 | 28 | |
| | 39.3% | 7.1% | 7.1% | 3.6% | 35.7% | 3.6% | 3.6% | 0.0% | 100.0% | |
| | 2.3% | 2.0% | 0.7% | 5.3% | 1.1% | 0.6% | 0.7% | 0.0% | 1.3% | |
| Unemployed Not Seeking | 6 | 1 | 1 | 0 | 10 | 0 | 2 | 1 | 21 | |
| | 28.6% | 4.8% | 4.8% | 0.0% | 47.6% | 0.0% | 9.5% | 4.8% | 100.0% | |
| | 1.3% | 1.0% | 0.3% | 0.0% | 1.1% | 0.0% | 1.4% | 0.8% | 0.9% | |
| Employed Part-time | 15 | 0 | 14 | 1 | 16 | 3 | 2 | 8 | 59 | |
| | 25.4% | 0.0% | 23.7% | 1.7% | 27.1% | 5.1% | 3.4% | 13.6% | 100.0% | |
| | 3.2% | 0.0% | 4.7% | 5.3% | 1.8% | 1.7% | 1.4% | 6.3% | 2.7% | |
| No Response | 17 | 2 | 8 | 0 | 23 | 5 | 3 | 5 | 63 | |
| | 27.0% | 3.2% | 12.7% | 0.0% | 36.5% | 7.9% | 4.8% | 7.9% | 100.0% | |
| | 3.6% | 2.0% | 2.7% | 0.0% | 2.6% | 2.8% | 2.2% | 3.9% | 2.8% | |
| TOTAL | 472 | 100 | 298 | 19 | 879 | 180 | 139 | 128 | 2,215 | |
| | 21.3% | 4.5% | 13.5% | 0.9% | 39.7% | 8.1% | 6.3% | 5.8% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-7.7.0

EMPLOYMENT STATUS of CHEMISTS
by NON-ACADEMIC WORK FUNCTION
1982 Survey of ACS Members

NON-ACADEMIC WORK FUNCTION

| EMPLOYMENT STATUS | Mgt R&D | Basic R&D | Applied R&D | Mgt Non-R&D | Market-ing | Prod & QC | Forsenic | Writing/ Editing | Data Proc | Consult-ing | Other | No Response | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Post-doctorate or Other Fellowship | 0 | 30 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 39 | -Count |
| | 0.0% | 76.9% | 7.7% | 2.6% | 0.0% | 2.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 10.3% | 100.0% | -% of Row |
| | 0.0% | 3.0% | 0.1% | 0.2% | 0.0% | 0.2% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.7% | 0.5% | -% of Col |
| Employed Full-time | 1,061 | 912 | 2,147 | 442 | 366 | 598 | 285 | 79 | 19 | 87 | 166 | 499 | 6,661 | |
| | 15.9% | 13.7% | 32.2% | 6.6% | 5.5% | 9.0% | 4.3% | 1.2% | 0.3% | 1.3% | 2.5% | 7.5% | 100.0% | |
| | 95.7% | 92.1% | 94.3% | 92.5% | 93.6% | 94.5% | 92.8% | 87.8% | 95.0% | 71.5% | 92.2% | 92.8% | 93.4% | |
| Unemployed Seeking | 10 | 10 | 38 | 7 | 8 | 14 | 5 | 2 | 0 | 5 | 2 | 6 | 107 | |
| | 9.3% | 9.3% | 35.5% | 6.5% | 7.5% | 13.1% | 4.7% | 1.9% | 0.0% | 4.7% | 1.9% | 5.6% | 100.0% | |
| | 0.9% | 1.0% | 1.7% | 1.5% | 2.0% | 2.2% | 1.6% | 2.2% | 0.0% | 4.1% | 1.1% | 1.1% | 1.5% | |
| Unemployed Not Seeking | 7 | 11 | 17 | 5 | 4 | 4 | 2 | 0 | 0 | 2 | 1 | 7 | 60 | |
| | 11.7% | 18.3% | 28.3% | 8.3% | 6.7% | 6.7% | 3.3% | 0.0% | 0.0% | 3.3% | 1.7% | 11.7% | 100.0% | |
| | 0.6% | 1.1% | 0.7% | 1.0% | 1.0% | 0.6% | 0.7% | 0.0% | 0.0% | 1.6% | 0.6% | 1.3% | 0.8% | |
| Employed Part-time | 2 | 7 | 12 | 2 | 2 | 1 | 1 | 5 | 0 | 23 | 2 | 5 | 62 | |
| | 3.2% | 11.3% | 19.4% | 3.2% | 3.2% | 1.6% | 1.6% | 8.1% | 0.0% | 37.1% | 3.2% | 8.1% | 100.0% | |
| | 0.2% | 0.7% | 0.5% | 0.4% | 0.5% | 0.2% | 0.3% | 5.6% | 0.0% | 18.9% | 1.1% | 0.9% | 0.9% | |
| No Response | 29 | 20 | 60 | 21 | 11 | 15 | 14 | 4 | 1 | 5 | 9 | 17 | 206 | |
| | 14.1% | 9.7% | 29.1% | 10.2% | 5.3% | 7.3% | 6.8% | 1.9% | 0.5% | 2.4% | 4.4% | 8.3% | 100.0% | |
| | 2.6% | 2.0% | 2.6% | 4.4% | 2.8% | 2.4% | 4.6% | 4.4% | 5.0% | 4.1% | 5.0% | 3.2% | 2.9% | |
| TOTAL | 1,109 | 990 | 2,277 | 478 | 391 | 633 | 307 | 90 | 20 | 122 | 180 | 538 | 7,155 | |
| | 15.5% | 13.9% | 31.9% | 6.7% | 5.5% | 8.9% | 4.3% | 1.3% | 0.3% | 1.7% | 2.5% | 7.5% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-7.8.0

EMPLOYMENT STATUS OF CHEMISTS
by WORK SPECIALTY
1982 Survey of ACS Members

WORK SPECIALTY

| EMPLOYMENT STATUS | Biochem | Agri/ Food | Analy- tic | Environ- mental | Organic | In- organic | Pharm/ Med/Clin | Physical | Theore | Polymer/ Macro | Other Chem | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Post-doctoral or | 66 | 2 | 11 | 6 | 47 | 17 | 17 | 30 | 1 | 4 | 3 | 204 | -Count |
| Other Fellowship | 32.4% | 1.0% | 5.4% | 2.9% | 23.0% | 8.3% | 8.3% | 14.7% | 0.5% | 2.0% | 1.5% | 100.0% | -% of Row |
| | 8.5% | 0.5% | 0.6% | 1.0% | 2.9% | 2.9% | 2.1% | 4.3% | 1.6% | 0.3% | 0.3% | 2.1% | -% of Col |
| Employed | 652 | 379 | 1,777 | 546 | 1,514 | 532 | 754 | 629 | 60 | 1,107 | 811 | 8,761 | |
| Full-time | 7.4% | 4.3% | 20.3% | 6.2% | 17.3% | 6.1% | 8.6% | 7.2% | 0.7% | 12.6% | 9.3% | 100.0% | |
| | 83.9% | 90.2% | 93.3% | 89.2% | 92.0% | 91.1% | 92.1% | 89.2% | 93.8% | 94.1% | 90.6% | 91.2% | |
| Unemployed | 12 | 8 | 35 | 17 | 17 | 4 | 15 | 11 | 1 | 15 | 9 | 144 | |
| Seeking | 8.3% | 5.6% | 24.3% | 11.8% | 11.8% | 2.8% | 10.4% | 7.6% | 0.7% | 10.4% | 6.3% | 100.0% | |
| | 1.5% | 1.9% | 1.8% | 2.8% | 1.0% | 0.7% | 1.8% | 1.6% | 1.6% | 1.3% | 1.0% | 1.5% | |
| Unemployed | 11 | 9 | 13 | 4 | 7 | 4 | 6 | 5 | 0 | 13 | 12 | 84 | |
| Not Seeking | 13.1% | 10.7% | 15.5% | 4.8% | 8.3% | 4.8% | 7.1% | 6.0% | 0.0% | 15.5% | 14.3% | 100.0% | |
| | 1.4% | 2.1% | 0.7% | 0.7% | 0.4% | 0.7% | 0.7% | 0.7% | 0.0% | 1.1% | 1.3% | 0.9% | |
| Employed | 12 | 5 | 12 | 7 | 22 | 16 | 2 | 10 | 1 | 11 | 27 | 126 | |
| Part-time | 9.5% | 4.8% | 9.5% | 5.6% | 17.5% | 12.7% | 1.6% | 7.9% | 0.8% | 8.7% | 21.4% | 100.0% | |
| | 1.5% | 1.4% | 0.6% | 1.1% | 1.3% | 2.7% | 0.2% | 1.4% | 1.6% | 0.9% | 3.0% | 1.3% | |
| No Response | 24 | 16 | 57 | 32 | 39 | 11 | 25 | 20 | 1 | 27 | 33 | 285 | |
| | 8.4% | 5.6% | 20.0% | 11.2% | 13.7% | 3.9% | 8.8% | 7.0% | 0.4% | 9.5% | 11.6% | 100.0% | |
| | 3.1% | 3.8% | 3.0% | 5.2% | 2.4% | 1.9% | 3.1% | 2.8% | 1.6% | 2.3% | 3.7% | 3.0% | |
| TOTAL | 777 | 420 | 1,905 | 612 | 1,646 | 584 | 819 | 705 | 64 | 1,177 | 895 | 9,604 | |
| | 8.1% | 4.4% | 19.8% | 6.4% | 17.1% | 6.1% | 8.5% | 7.3% | 0.7% | 12.3% | 9.3% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-7.9.0

EMPLOYMENT STATUS OF CHEMISTS
by GEOGRAPHIC REGION
1982 Survey of ACS Members

| EMPLOYMENT STATUS | Pacific | Mountain | W.N. Central | W.S. Central | E.N. Central | E.S. Central | Mid-Atlantic | So. Atlantic | New England | No Response | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | REGION | | | | | | | | | | | |
| Post-doctorate or Other Fellowship | 33 | 16 | 11 | 12 | 34 | 5 | 37 | 29 | 20 | 7 | 204 | -Count |
| | 16.2% | 7.8% | 5.4% | 5.9% | 16.7% | 2.5% | 18.1% | 14.2% | 9.8% | 3.4% | 100.0% | -% of Row |
| | 3.1% | 4.4% | 2.0% | 1.5% | 1.8% | 1.5% | 1.7% | 2.2% | 3.3% | 1.5% | 2.1% | -% of Col |
| Employed Full-time | 933 | 316 | 514 | 713 | 1,785 | 318 | 2,013 | 1,200 | 553 | 416 | 8,761 | |
| | 10.6% | 3.6% | 5.9% | 8.1% | 20.4% | 3.6% | 23.0% | 13.7% | 6.3% | 4.7% | 100.0% | |
| | 87.6% | 87.8% | 91.1% | 91.2% | 92.1% | 92.7% | 92.6% | 91.6% | 91.0% | 90.2% | 91.2% | |
| Unemployed Seeking | 25 | 4 | 8 | 6 | 30 | 2 | 31 | 21 | 8 | 9 | 144 | |
| | 17.4% | 2.8% | 5.6% | 4.2% | 20.8% | 1.4% | 21.5% | 14.6% | 5.6% | 6.3% | 100.0% | |
| | 2.3% | 1.1% | 1.4% | 0.8% | 1.5% | 0.6% | 1.4% | 1.6% | 1.3% | 2.0% | 1.5% | |
| Unemployed Not Seeking | 14 | 3 | 4 | 7 | 17 | 6 | 14 | 3 | 9 | 7 | 84 | |
| | 16.7% | 3.6% | 4.8% | 8.3% | 20.2% | 7.1% | 16.7% | 3.6% | 10.7% | 8.3% | 100.0% | |
| | 1.3% | 0.8% | 0.7% | 0.9% | 0.9% | 1.7% | 0.6% | 0.2% | 1.5% | 1.5% | 0.9% | |
| Employed Part-time | 31 | 7 | 7 | 11 | 18 | 2 | 20 | 19 | 5 | 6 | 126 | |
| | 24.6% | 5.6% | 5.6% | 8.7% | 14.3% | 1.6% | 15.9% | 15.1% | 4.0% | 4.8% | 100.0% | |
| | 2.9% | 1.9% | 1.2% | 1.4% | 0.9% | 0.6% | 0.9% | 1.5% | 0.8% | 1.3% | 1.3% | |
| No Response | 29 | 14 | 20 | 33 | 54 | 10 | 58 | 38 | 13 | 16 | 285 | |
| | 10.2% | 4.9% | 7.0% | 11.6% | 18.9% | 3.5% | 20.4% | 13.3% | 4.6% | 5.6% | 100.0% | |
| | 2.7% | 3.9% | 3.5% | 4.2% | 2.8% | 2.9% | 2.7% | 2.9% | 2.1% | 3.5% | 3.0% | |
| TOTAL | 1,065 | 360 | 564 | 782 | 1,938 | 343 | 2,173 | 1,310 | 608 | 461 | 9,604 | |
| | 11.1% | 3.7% | 5.9% | 8.1% | 20.2% | 3.6% | 22.6% | 13.6% | 6.3% | 4.8% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-8.1.0

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1982
by HIGHEST DEGREE
1982 Survey of ACS Members

| | HIGHEST DEGREE | | | | | |
|---|---|---|---|---|---|---|
| MONTHS UNEMPLOYED | Bachelors | Masters | Doctorate | No Response | TOTAL | |
| 0-1 | 12 | 6 | 16 | 1 | 35 | -Count |
| | 34.3% | 17.1% | 45.7% | 2.9% | 100.0% | -% of Row |
| | 23.1% | 27.3% | 24.2% | 33.3% | 24.5% | -% of Col |
| 2-4 | 16 | 8 | 15 | 1 | 40 | |
| | 40.0% | 20.0% | 37.5% | 2.5% | 100.0% | |
| | 30.8% | 36.4% | 22.7% | 33.3% | 28.0% | |
| 5-7 | 7 | 1 | 15 | 1 | 24 | |
| | 29.2% | 4.2% | 62.5% | 4.2% | 100.0% | |
| | 13.5% | 4.5% | 22.7% | 33.3% | 16.8% | |
| 8-10 | 7 | 3 | 4 | 0 | 14 | |
| | 50.0% | 21.4% | 28.6% | 0.0% | 100.0% | |
| | 13.5% | 13.6% | 6.1% | 0.0% | 9.8% | |
| 11-13 | 3 | 1 | 4 | 0 | 8 | |
| | 37.5% | 12.5% | 50.0% | 0.0% | 100.0% | |
| | 5.8% | 4.5% | 6.1% | 0.0% | 5.6% | |
| 14-18 | 0 | 2 | 3 | 0 | 5 | |
| | 0.0% | 40.0% | 60.0% | 0.0% | 100.0% | |
| | 0.0% | 9.1% | 4.5% | 0.0% | 3.5% | |
| 19-24 | 3 | 0 | 1 | 0 | 4 | |
| | 75.0% | 0.0% | 25.0% | 0.0% | 100.0% | |
| | 5.8% | 0.0% | 1.5% | 0.0% | 2.8% | |
| 25-36 | 4 | 0 | 5 | 0 | 9 | |
| | 44.4% | 0.0% | 55.6% | 0.0% | 100.0% | |
| | 7.7% | 0.0% | 7.6% | 0.0% | 6.3% | |
| >=37 | 0 | 1 | 3 | 0 | 4 | |
| | 0.0% | 25.0% | 75.0% | 0.0% | 100.0% | |
| | 0.0% | 4.5% | 4.5% | 0.0% | 2.8% | |
| TOTAL | 52 | 22 | 66 | 3 | 143 | |
| | 36.4% | 15.4% | 46.2% | 2.1% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-8.1.1

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1982
by HIGHEST DEGREE - MEN Only
1982 Survey of ACS Members

| | HIGHEST DEGREE | | | | | |
|---|---|---|---|---|---|---|
| MONTHS UNEMPLOYED | Bachelors | Masters | Doctorate | No Response | TOTAL | |
| 0-1 | 10 | 4 | 12 | 1 | 27 | -Count |
| | 37.0% | 14.8% | 44.4% | 3.7% | 100.0% | -% of Row |
| | 26.3% | 30.8% | 22.6% | 50.0% | 25.5% | -% of Col |
| 2-4 | 10 | 7 | 14 | 1 | 32 | |
| | 31.3% | 21.9% | 43.8% | 3.1% | 100.0% | |
| | 26.3% | 53.8% | 26.4% | 50.0% | 30.2% | |
| 5-7 | 5 | 0 | 13 | 0 | 18 | |
| | 27.8% | 0.0% | 72.2% | 0.0% | 100.0% | |
| | 13.2% | 0.0% | 24.5% | 0.0% | 17.0% | |
| 8-10 | 6 | 0 | 2 | 0 | 8 | |
| | 75.0% | 0.0% | 25.0% | 0.0% | 100.0% | |
| | 15.8% | 0.0% | 3.8% | 0.0% | 7.5% | |
| 11-13 | 2 | 1 | 3 | 0 | 6 | |
| | 33.3% | 16.7% | 50.0% | 0.0% | 100.0% | |
| | 5.3% | 7.7% | 5.7% | 0.0% | 5.7% | |
| 14-18 | 0 | 0 | 3 | 0 | 3 | |
| | 0.0% | 0.0% | 100.0% | 0.0% | 100.0% | |
| | 0.0% | 0.0% | 5.7% | 0.0% | 2.8% | |
| 19-24 | 2 | 0 | 0 | 0 | 2 | |
| | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | 5.3% | 0.0% | 0.0% | 0.0% | 1.9% | |
| 25-36 | 3 | 0 | 4 | 0 | 7 | |
| | 42.9% | 0.0% | 57.1% | 0.0% | 100.0% | |
| | 7.9% | 0.0% | 7.5% | 0.0% | 6.6% | |
| >=37 | 0 | 1 | 2 | 0 | 3 | |
| | 0.0% | 33.3% | 66.7% | 0.0% | 100.0% | |
| | 0.0% | 7.7% | 3.8% | 0.0% | 2.8% | |
| TOTAL | 38 | 13 | 53 | 2 | 106 | |
| | 35.8% | 12.3% | 50.0% | 1.9% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-8.1.2

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1982
by HIGHEST DEGREE - WOMEN Only
1982 Survey of ACS Members

| | HIGHEST DEGREE | | | | | |
|---|---|---|---|---|---|---|
| MONTHS UNEMPLOYED | Bachelors | Masters | Doctorate | No Response | TOTAL | |
| 0-1 | 1 | 2 | 2 | 0 | 5 | -Count |
| | 20.0% | 40.0% | 40.0% | 0.0% | 100.0% | -% of Row |
| | 7.7% | 22.2% | 20.0% | 0.0% | 15.2% | -% of Col |
| 2-4 | 6 | 1 | 1 | 0 | 8 | |
| | 75.0% | 12.5% | 12.5% | 0.0% | 100.0% | |
| | 46.2% | 11.1% | 10.0% | 0.0% | 24.2% | |
| 5-7 | 2 | 1 | 2 | 1 | 6 | |
| | 33.3% | 16.7% | 33.3% | 16.7% | 100.0% | |
| | 15.4% | 11.1% | 20.0% | 100.0% | 18.2% | |
| 8-10 | 1 | 3 | 2 | 0 | 6 | |
| | 16.7% | 50.0% | 33.3% | 0.0% | 100.0% | |
| | 7.7% | 33.3% | 20.0% | 0.0% | 18.2% | |
| 11-13 | 1 | 0 | 1 | 0 | 2 | |
| | 50.0% | 0.0% | 50.0% | 0.0% | 100.0% | |
| | 7.7% | 0.0% | 10.0% | 0.0% | 6.1% | |
| 14-18 | 0 | 2 | 0 | 0 | 2 | |
| | 0.0% | 100.0% | 0.0% | 0.0% | 100.0% | |
| | 0.0% | 22.2% | 0.0% | 0.0% | 6.1% | |
| 19-24 | 1 | 0 | 1 | 0 | 2 | |
| | 50.0% | 0.0% | 50.0% | 0.0% | 100.0% | |
| | 7.7% | 0.0% | 10.0% | 0.0% | 6.1% | |
| 25-36 | 1 | 0 | 0 | 0 | 1 | |
| | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | 7.7% | 0.0% | 0.0% | 0.0% | 3.0% | |
| >=37 | 0 | 0 | 1 | 0 | 1 | |
| | 0.0% | 0.0% | 100.0% | 0.0% | 100.0% | |
| | 0.0% | 0.0% | 10.0% | 0.0% | 3.0% | |
| TOTAL | 13 | 9 | 10 | 1 | 33 | |
| | 39.4% | 27.3% | 30.3% | 3.0% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-8.2.0

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1982
by GEOGRAPHIC REGION
1982 Survey of ACS Members

| | REGION | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTHS UNEMPLOYED | Pacific | Mountain | W.N. Central | W.S. Central | E.N. Central | E.S. Central | Mid-Atlantic | South Atlantic | New England | No Response | TOTAL |
| 0-1 | 7 | 0 | 1 | 1 | 7 | 0 | 8 | 7 | 4 | 0 | 35 -Count |
| | 20.0% | 0.0% | 2.9% | 2.9% | 20.0% | 0.0% | 22.9% | 20.0% | 11.4% | 0.0% | 100.0% -% of Row |
| | 28.0% | 0.0% | 12.5% | 16.7% | 23.3% | 0.0% | 26.7% | 33.3% | 50.0% | 0.0% | 24.5% -% of Col |
| 2-4 | 7 | 1 | 1 | 2 | 8 | 1 | 8 | 4 | 2 | 6 | 40 |
| | 17.5% | 2.5% | 2.5% | 5.0% | 20.0% | 2.5% | 20.0% | 10.0% | 5.0% | 15.0% | 100.0% |
| | 28.0% | 25.0% | 12.5% | 33.3% | 26.7% | 50.0% | 26.7% | 19.0% | 25.0% | 66.7% | 28.0% |
| 5-7 | 4 | 0 | 2 | 1 | 8 | 1 | 5 | 3 | 0 | 0 | 24 |
| | 16.7% | 0.0% | 8.3% | 4.2% | 33.3% | 4.2% | 20.8% | 12.5% | 0.0% | 0.0% | 100.0% |
| | 16.0% | 0.0% | 25.0% | 16.7% | 26.7% | 50.0% | 16.7% | 14.3% | 0.0% | 0.0% | 16.8% |
| 8-10 | 2 | 0 | 1 | 2 | 1 | 0 | 4 | 2 | 0 | 2 | 14 |
| | 14.3% | 0.0% | 7.1% | 14.3% | 7.1% | 0.0% | 28.6% | 14.3% | 0.0% | 14.3% | 100.0% |
| | 8.0% | 0.0% | 12.5% | 33.3% | 3.3% | 0.0% | 13.3% | 9.5% | 0.0% | 22.2% | 9.8% |
| 11-13 | 3 | 1 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 8 |
| | 37.5% | 12.5% | 0.0% | 0.0% | 12.5% | 0.0% | 25.0% | 12.5% | 0.0% | 0.0% | 100.0% |
| | 12.0% | 25.0% | 0.0% | 0.0% | 3.3% | 0.0% | 6.7% | 4.8% | 0.0% | 0.0% | 5.6% |
| 14-18 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 5 |
| | 20.0% | 0.0% | 0.0% | 0.0% | 20.0% | 0.0% | 20.0% | 20.0% | 20.0% | 0.0% | 100.0% |
| | 4.0% | 0.0% | 0.0% | 0.0% | 3.3% | 0.0% | 3.3% | 4.8% | 12.5% | 0.0% | 3.5% |
| 19-24 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 4 |
| | 0.0% | 25.0% | 25.0% | 0.0% | 25.0% | 0.0% | 25.0% | 0.0% | 0.0% | 0.0% | 100.0% |
| | 0.0% | 25.0% | 12.5% | 0.0% | 3.3% | 0.0% | 3.3% | 0.0% | 0.0% | 0.0% | 2.8% |
| 25-36 | 1 | 0 | 2 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 9 |
| | 11.1% | 0.0% | 22.2% | 0.0% | 33.3% | 0.0% | 11.1% | 11.1% | 11.1% | 0.0% | 100.0% |
| | 4.0% | 0.0% | 25.0% | 0.0% | 10.0% | 0.0% | 3.3% | 4.8% | 12.5% | 0.0% | 6.3% |
| >=37 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 4 |
| | 0.0% | 25.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 50.0% | 0.0% | 25.0% | 100.0% |
| | 0.0% | 25.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 9.5% | 0.0% | 11.1% | 2.8% |
| TOTAL | 25 | 4 | 8 | 6 | 30 | 2 | 30 | 21 | 8 | 9 | 143 |
| | 17.5% | 2.8% | 5.6% | 4.2% | 21.0% | 1.4% | 21.0% | 14.7% | 5.6% | 6.3% | 100.0% |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

TABLE-8.3.0

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1982
by AGE LEVEL
1982 Survey of ACS Members

| | AGE LEVEL | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTHS UNEMPLOYED | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | >=70 No Respo | TOTAL |
| 0-1 | 1 | 2 | 2 | 7 | 5 | 3 | 6 | 3 | 3 | 3 | 0 0 | 35 -Count |
| | 2.9% | 5.7% | 5.7% | 20.0% | 14.3% | 8.6% | 17.1% | 8.6% | 8.6% | 8.6% | 0.0% 0.0% | 100.0% -% of Row |
| | 16.7% | 15.4% | 10.0% | 25.9% | 25.0% | 23.1% | 35.3% | 27.3% | 27.3% | 75.0% | 0.0% ***.*% | 24.5% -% of Col |
| 2-4 | 1 | 2 | 7 | 9 | 6 | 6 | 2 | 5 | 2 | 0 | 0 0 | 40 |
| | 2.5% | 5.0% | 17.5% | 22.5% | 15.0% | 15.0% | 5.0% | 12.5% | 5.0% | 0.0% | 0.0% 0.0% | 100.0% |
| | 16.7% | 15.4% | 35.0% | 33.3% | 30.0% | 46.2% | 11.8% | 45.5% | 18.2% | 0.0% | 0.0% ***.*% | 28.0% |
| 5-7 | 1 | 2 | 5 | 4 | 3 | 1 | 3 | 2 | 3 | 0 | 0 0 | 24 |
| | 4.2% | 8.3% | 20.8% | 16.7% | 12.5% | 4.2% | 12.5% | 8.3% | 12.5% | 0.0% | 0.0% 0.0% | 100.0% |
| | 16.7% | 15.4% | 25.0% | 14.8% | 15.0% | 7.7% | 17.6% | 18.2% | 27.3% | 0.0% | 0.0% ***.*% | 16.8% |
| 8-10 | 3 | 4 | 3 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 0 | 14 |
| | 21.4% | 28.6% | 21.4% | 14.3% | 7.1% | 0.0% | 0.0% | 0.0% | 7.1% | 0.0% | 0.0% 0.0% | 100.0% |
| | 50.0% | 30.8% | 15.0% | 7.4% | 5.0% | 0.0% | 0.0% | 0.0% | 9.1% | 0.0% | 0.0% ***.*% | 9.8% |
| 11-13 | 0 | 0 | 2 | 3 | 0 | 0 | 1 | 1 | 1 | 0 | 0 0 | 8 |
| | 0.0% | 0.0% | 25.0% | 37.5% | 0.0% | 0.0% | 12.5% | 12.5% | 12.5% | 0.0% | 0.0% 0.0% | 100.0% |
| | 0.0% | 0.0% | 10.0% | 11.1% | 0.0% | 0.0% | 5.9% | 9.1% | 9.1% | 0.0% | 0.0% ***.*% | 5.6% |
| 14-18 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 0 0 | 5 |
| | 0.0% | 20.0% | 0.0% | 0.0% | 20.0% | 40.0% | 0.0% | 0.0% | 20.0% | 0.0% | 0.0% 0.0% | 100.0% |
| | 0.0% | 7.7% | 0.0% | 0.0% | 5.0% | 15.4% | 0.0% | 0.0% | 9.1% | 0.0% | 0.0% ***.*% | 3.5% |
| 19-24 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 0 | 4 |
| | 0.0% | 25.0% | 0.0% | 0.0% | 25.0% | 0.0% | 50.0% | 0.0% | 0.0% | 0.0% | 0.0% 0.0% | 100.0% |
| | 0.0% | 7.7% | 0.0% | 0.0% | 5.0% | 0.0% | 11.8% | 0.0% | 0.0% | 0.0% | 0.0% ***.*% | 2.8% |
| 25-36 | 0 | 1 | 0 | 2 | 2 | 1 | 2 | 0 | 0 | 0 | 1 0 | 9 |
| | 0.0% | 11.1% | 0.0% | 22.2% | 22.2% | 11.1% | 22.2% | 0.0% | 0.0% | 0.0% | 11.1% 0.0% | 100.0% |
| | 0.0% | 7.7% | 0.0% | 7.4% | 10.0% | 7.7% | 11.8% | 0.0% | 0.0% | 0.0% | 100.0% ***.*% | 6.3% |
| >=37 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 0 | 4 |
| | 0.0% | 0.0% | 25.0% | 0.0% | 25.0% | 0.0% | 25.0% | 0.0% | 0.0% | 25.0% | 0.0% 0.0% | 100.0% |
| | 0.0% | 0.0% | 5.0% | 0.0% | 5.0% | 0.0% | 5.9% | 0.0% | 0.0% | 25.0% | 0.0% ***.*% | 2.8% |
| TOTAL | 6 | 13 | 20 | 27 | 20 | 13 | 17 | 11 | 11 | 4 | 1 0 | 143 |
| | 4.2% | 9.1% | 14.0% | 18.9% | 14.0% | 9.1% | 11.9% | 7.7% | 7.7% | 2.8% | 0.7% 0.0% | 100.0% |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% ***.*% | 100.0% |

TABLE-8.4.0

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1982
by NON-ACADEMIC WORK FUNCTION
1982 Survey of ACS Members

WORK FUNCTION

| MONTHS UNEMPLOYED | Mgt R&D | Basic R&D | Applied R&D | Mgt Non-R&D | Market-ing | Prod & QC | Forsenic | Writing/ Editing | Data Proc | Consult-ing | Other | No Response | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-1 | 2 | 2 | 9 | 2 | 2 | 4 | 1 | 0 | 0 | 1 | 1 | 1 | 25 | -Count |
| | 8.0% | 8.0% | 36.0% | 8.0% | 8.0% | 16.0% | 4.0% | 0.0% | 0.0% | 4.0% | 4.0% | 4.0% | 100.0% | -% of Row |
| | 20.0% | 20.0% | 23.7% | 28.6% | 25.0% | 28.6% | 20.0% | 0.0% | ***.*% | 20.0% | 50.0% | 16.7% | 23.4% | -% of Col |
| 2-4 | 2 | 2 | 16 | 2 | 4 | 5 | 2 | 1 | 0 | 3 | 1 | 0 | 38 | |
| | 5.3% | 5.3% | 42.1% | 5.3% | 10.5% | 13.2% | 5.3% | 2.6% | 0.0% | 7.9% | 2.6% | 0.0% | 100.0% | |
| | 20.0% | 20.0% | 42.1% | 28.6% | 50.0% | 35.7% | 40.0% | 50.0% | ***.*% | 60.0% | 50.0% | 0.0% | 35.5% | |
| 5-7 | 3 | 3 | 7 | 1 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 2 | 21 | |
| | 14.3% | 14.3% | 33.3% | 4.8% | 4.8% | 14.3% | 0.0% | 4.8% | 0.0% | 0.0% | 0.0% | 9.5% | 100.0% | |
| | 30.0% | 30.0% | 18.4% | 14.3% | 12.5% | 21.4% | 0.0% | 50.0% | ***.*% | 0.0% | 0.0% | 33.3% | 19.6% | |
| 8-10 | 0 | 2 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 7 | |
| | 0.0% | 28.6% | 14.3% | 0.0% | 14.3% | 14.3% | 14.3% | 0.0% | 0.0% | 14.3% | 0.0% | 0.0% | 100.0% | |
| | 0.0% | 20.0% | 2.6% | 0.0% | 12.5% | 7.1% | 20.0% | 0.0% | ***.*% | 20.0% | 0.0% | 0.0% | 6.5% | |
| 11-13 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | |
| | 25.0% | 0.0% | 50.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 25.0% | 100.0% | |
| | 10.0% | 0.0% | 5.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | ***.*% | 0.0% | 0.0% | 16.7% | 3.7% | |
| 14-18 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | |
| | 0.0% | 0.0% | 50.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 50.0% | 100.0% | |
| | 0.0% | 0.0% | 2.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | ***.*% | 0.0% | 0.0% | 16.7% | 1.9% | |
| 19-24 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | |
| | 0.0% | 0.0% | 25.0% | 25.0% | 0.0% | 25.0% | 25.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | 0.0% | 0.0% | 2.6% | 14.3% | 0.0% | 7.1% | 20.0% | 0.0% | ***.*% | 0.0% | 0.0% | 0.0% | 3.7% | |
| 25-36 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | |
| | 50.0% | 0.0% | 25.0% | 25.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | 20.0% | 0.0% | 2.6% | 14.3% | 0.0% | 0.0% | 0.0% | 0.0% | ***.*% | 0.0% | 0.0% | 0.0% | 3.7% | |
| >=37 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | |
| | 0.0% | 50.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 50.0% | 100.0% | |
| | 0.0% | 10.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | ***.*% | 0.0% | 0.0% | 16.7% | 1.9% | |
| TOTAL | 10 | 10 | 38 | 7 | 8 | 14 | 5 | 2 | 0 | 5 | 2 | 6 | 107 | |
| | 9.3% | 9.3% | 35.5% | 6.5% | 7.5% | 13.1% | 4.7% | 1.9% | 0.0% | 4.7% | 1.9% | 5.6% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | ***.*% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-8.5.0

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1982
by WORK SPECIALTY
1982 Survey of ACS Members

SPECIALTY

| MONTHS UNEMPLOYED | Biochem | Agric/ Food | Analyt- ical | Environ- mental | Organic | In- organic | Pharm/ Med/Clin | Physical | Theore | Polymer | Other | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-1 | 3 | 0 | 6 | 7 | 5 | 1 | 3 | 2 | 1 | 2 | 5 | 35 | -Count |
| | 8.6% | 0.0% | 17.1% | 20.0% | 14.3% | 2.9% | 8.6% | 5.7% | 2.9% | 5.7% | 14.3% | 100.0% | -% of Row |
| | 25.0% | 0.0% | 17.1% | 43.8% | 29.4% | 25.0% | 20.0% | 18.2% | 100.0% | 13.3% | 55.6% | 24.5% | -% of Col |
| 2-4 | 3 | 3 | 12 | 3 | 7 | 0 | 4 | 3 | 0 | 4 | 1 | 40 | |
| | 7.5% | 7.5% | 30.0% | 7.5% | 17.5% | 0.0% | 10.0% | 7.5% | 0.0% | 10.0% | 2.5% | 100.0% | |
| | 25.0% | 37.5% | 34.3% | 18.8% | 41.2% | 0.0% | 26.7% | 27.3% | 0.0% | 26.7% | 11.1% | 28.0% | |
| 5-7 | 1 | 1 | 5 | 2 | 2 | 2 | 2 | 2 | 0 | 5 | 2 | 24 | |
| | 4.2% | 4.2% | 20.8% | 8.3% | 8.3% | 8.3% | 8.3% | 8.3% | 0.0% | 20.8% | 8.3% | 100.0% | |
| | 8.3% | 12.5% | 14.3% | 12.5% | 11.8% | 50.0% | 13.3% | 18.2% | 0.0% | 33.3% | 22.2% | 16.8% | |
| 8-10 | 0 | 1 | 6 | 2 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 14 | |
| | 0.0% | 7.1% | 42.9% | 14.3% | 7.1% | 7.1% | 14.3% | 0.0% | 0.0% | 0.0% | 7.1% | 100.0% | |
| | 0.0% | 12.5% | 17.1% | 12.5% | 5.9% | 25.0% | 13.3% | 0.0% | 0.0% | 0.0% | 11.1% | 9.8% | |
| 11-13 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 0 | 8 | |
| | 0.0% | 0.0% | 37.5% | 0.0% | 0.0% | 0.0% | 25.0% | 12.5% | 0.0% | 25.0% | 0.0% | 100.0% | |
| | 0.0% | 0.0% | 8.6% | 0.0% | 0.0% | 0.0% | 13.3% | 9.1% | 0.0% | 13.3% | 0.0% | 5.6% | |
| 14-18 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | |
| | 40.0% | 0.0% | 20.0% | 0.0% | 0.0% | 0.0% | 0.0% | 40.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | 16.7% | 0.0% | 2.9% | 0.0% | 0.0% | 0.0% | 0.0% | 18.2% | 0.0% | 0.0% | 0.0% | 3.5% | |
| 19-24 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | |
| | 0.0% | 25.0% | 25.0% | 0.0% | 25.0% | 0.0% | 0.0% | 0.0% | 0.0% | 25.0% | 0.0% | 100.0% | |
| | 0.0% | 12.5% | 2.9% | 0.0% | 5.9% | 0.0% | 0.0% | 0.0% | 0.0% | 6.7% | 0.0% | 2.8% | |
| 25-36 | 1 | 2 | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 9 | |
| | 11.1% | 22.2% | 11.1% | 11.1% | 0.0% | 0.0% | 22.2% | 11.1% | 0.0% | 11.1% | 0.0% | 100.0% | |
| | 8.3% | 25.0% | 2.9% | 6.3% | 0.0% | 0.0% | 13.3% | 9.1% | 0.0% | 6.7% | 0.0% | 6.3% | |
| >=37 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | |
| | 50.0% | 0.0% | 0.0% | 25.0% | 25.0 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | 16.7% | 0.0% | 0.0% | 6.3% | 5.9% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 2.8% | |
| TOTAL | 12 | 8 | 35 | 16 | 17 | 4 | 15 | 11 | 1 | 15 | 9 | 143 | |
| | 8.4% | 5.6% | 24.5% | 11.2% | 11.9% | 2.8% | 10.5% | 7.7% | 0.7% | 10.5% | 6.3% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-9.1.0

RESPONDENTS by SEX and DEGREE
1982 Survey of ACS Members

| | HIGHEST DEGREE | | | | | |
|---|---|---|---|---|---|---|
| SEX | Bachelors | Masters | Doctorate | No Response | TOTAL | |
| Men | 2,593 | 1,883 | 5,821 | 90 | 10,387 | -Count |
| | 25.0% | 18.1% | 56.0% | 0.9% | 100.0% | -% of Row |
| | 81.5% | 82.2% | 90.4% | 72.6% | 86.3% | -% of Col |
| Women | 545 | 368 | 514 | 11 | 1,438 | |
| | 37.9% | 25.6% | 35.7% | 0.8% | 100.0% | |
| | 17.1% | 16.1% | 8.0% | 8.9% | 11.9% | |
| No Response | 45 | 40 | 107 | 23 | 215 | |
| | 20.9% | 18.6% | 49.8% | 10.7% | 100.0% | |
| | 1.4% | 1.7% | 1.7% | 18.5% | 1.8% | |
| TOTAL | 3,183 | 2,291 | 6,442 | 124 | 12,040 | |
| | 26.4% | 19.0% | 53.5% | 1.0% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-9.2.0

RESPONDENTS by AGE and HIGHEST DEGREE
1982 Survey of ACS Members

| AGE LEVEL | HIGHEST DEGREE Bachelors | Masters | Doctorate | No Response | TOTAL | |
|---|---|---|---|---|---|---|
| 20-24 | 252 | 17 | 4 | 2 | 275 | -Count |
| | 91.6% | 6.2% | 1.5% | 0.7% | 100.0% | -% of Row |
| | 7.9% | 0.7% | 0.1% | 1.6% | 2.3% | -% of Col |
| 25-29 | 587 | 277 | 397 | 6 | 1,267 | |
| | 46.3% | 21.9% | 31.3% | 0.5% | 100.0% | |
| | 18.4% | 12.1% | 6.2% | 4.8% | 10.5% | |
| 30-34 | 403 | 356 | 890 | 9 | 1,658 | |
| | 24.3% | 21.5% | 53.7% | 0.5% | 100.0% | |
| | 12.7% | 15.5% | 13.8% | 7.3% | 13.8% | |
| 35-39 | 291 | 314 | 1,186 | 19 | 1,810 | |
| | 16.1% | 17.3% | 65.5% | 1.0% | 100.0% | |
| | 9.1% | 13.7% | 18.4% | 15.3% | 15.0% | |
| 40-44 | 283 | 257 | 1,109 | 14 | 1,663 | |
| | 17.0% | 15.5% | 66.7% | 0.8% | 100.0% | |
| | 8.9% | 11.2% | 17.2% | 11.3% | 13.8% | |
| 45-49 | 250 | 228 | 792 | 10 | 1,280 | |
| | 19.5% | 17.8% | 61.9% | 0.8% | 100.0% | |
| | 7.9% | 10.0% | 12.3% | 8.1% | 10.6% | |
| 50-54 | 344 | 280 | 760 | 17 | 1,401 | |
| | 24.6% | 20.0% | 54.2% | 1.2% | 100.0% | |
| | 10.8% | 12.2% | 11.8% | 13.7% | 11.6% | |
| 55-59 | 372 | 294 | 635 | 15 | 1,316 | |
| | 28.3% | 22.3% | 48.3% | 1.1% | 100.0% | |
| | 11.7% | 12.8% | 9.9% | 12.1% | 10.9% | |
| 60-64 | 319 | 198 | 466 | 10 | 993 | |
| | 32.1% | 19.9% | 46.9% | 1.0% | 100.0% | |
| | 10.0% | 8.6% | 7.2% | 8.1% | 8.2% | |
| 65-69 | 54 | 44 | 132 | 3 | 233 | |
| | 23.2% | 18.9% | 56.7% | 1.3% | 100.0% | |
| | 1.7% | 1.9% | 2.0% | 2.4% | 1.9% | |
| >=70 | 9 | 8 | 22 | 0 | 39 | |
| | 23.1% | 20.5% | 56.4% | 0.0% | 100.0% | |
| | 0.3% | 0.3% | 0.3% | 0.0% | 0.3% | |
| No Response | 19 | 18 | 49 | 19 | 105 | |
| | 18.1% | 17.1% | 46.7% | 18.1% | 100.0% | |
| | 0.6% | 0.8% | 0.8% | 15.3% | 0.9% | |
| TOTAL | 3,183 | 2,291 | 6,442 | 124 | 12,040 | |
| | 26.4% | 19.0% | 53.5% | 1.0% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-9.2.1

RESPONDENTS by AGE and HIGHEST DEGREE - MEN Only
1982 Survey of ACS Members

| | HIGHEST DEGREE | | | | | |
|---|---|---|---|---|---|---|
| AGE LEVEL | Bachelors | Masters | Doctorate | No Response | TOTAL | |
| 20-24 | 140 | 11 | 3 | 1 | 155 | -Count |
| | 90.3% | 7.1% | 1.9% | 0.6% | 100.0% | -% of Row |
| | 5.4% | 0.6% | 0.1% | 1.1% | 1.5% | -% of Col |
| 25-29 | 418 | 195 | 330 | 4 | 947 | |
| | 44.1% | 20.6% | 34.8% | 0.4% | 100.0% | |
| | 16.1% | 10.4% | 5.7% | 4.4% | 9.1% | |
| 30-34 | 322 | 281 | 771 | 6 | 1,380 | |
| | 23.3% | 20.4% | 55.9% | 0.4% | 100.0% | |
| | 12.4% | 14.9% | 13.2% | 6.7% | 13.3% | |
| 35-39 | 233 | 251 | 1,064 | 16 | 1,564 | |
| | 14.9% | 16.0% | 68.0% | 1.0% | 100.0% | |
| | 9.0% | 13.3% | 18.3% | 17.8% | 15.1% | |
| 40-44 | 235 | 207 | 1,020 | 13 | 1,475 | |
| | 15.9% | 14.0% | 69.2% | 0.9% | 100.0% | |
| | 9.1% | 11.0% | 17.5% | 14.4% | 14.2% | |
| 45-49 | 219 | 193 | 745 | 9 | 1,166 | |
| | 18.8% | 16.6% | 63.9% | 0.8% | 100.0% | |
| | 8.4% | 10.2% | 12.8% | 10.0% | 11.2% | |
| 50-54 | 320 | 254 | 716 | 16 | 1,306 | |
| | 24.5% | 19.4% | 54.8% | 1.2% | 100.0% | |
| | 12.3% | 13.5% | 12.3% | 17.8% | 12.6% | |
| 55-59 | 341 | 262 | 584 | 14 | 1,201 | |
| | 28.4% | 21.8% | 48.6% | 1.2% | 100.0% | |
| | 13.2% | 13.9% | 10.0% | 15.6% | 11.6% | |
| 60-64 | 302 | 178 | 438 | 7 | 925 | |
| | 32.6% | 19.2% | 47.4% | 0.8% | 100.0% | |
| | 11.6% | 9.5% | 7.5% | 7.8% | 8.9% | |
| 65-69 | 50 | 40 | 119 | 3 | 212 | |
| | 23.6% | 18.9% | 56.1% | 1.4% | 100.0% | |
| | 1.9% | 2.1% | 2.0% | 3.3% | 2.0% | |
| >=70 | 2 | 0 | 4 | 0 | 6 | |
| | 33.3% | 0.0% | 66.7% | 0.0% | 100.0% | |
| | 0.1% | 0.0% | 0.1% | 0.0% | 0.1% | |
| No Response | 11 | 11 | 27 | 1 | 50 | |
| | 22.0% | 22.0% | 54.0% | 2.0% | 100.0% | |
| | 0.4% | 0.6% | 0.5% | 1.1% | 0.5% | |
| TOTAL | 2,593 | 1,883 | 5,821 | 90 | 10,387 | |
| | 25.0% | 18.1% | 56.0% | 0.9% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE 9.2.2

RESPONDENTS by AGE and HIGHEST DEGREE - WOMEN Only
1982 Survey of ACS Members

| AGE LEVEL | HIGHEST DEGREE | | | | | |
|---|---|---|---|---|---|---|
| | Bachelor's | Master's | Doctorate | No Response | TOTAL | |
| 20-24 | 112 | 6 | 0 | 1 | 119 | -Count |
| | 94.1% | 5.0% | 0.0% | 0.8% | 100.0% | -% of Row |
| | 20.6% | 1.6% | 0.0% | 9.1% | 8.3% | -% of Col |
| 25-29 | 168 | 80 | 65 | 2 | 315 | |
| | 53.3% | 25.4% | 20.6% | 0.6% | 100.0% | |
| | 30.8% | 21.7% | 12.6% | 18.2% | 21.9% | |
| 30-34 | 81 | 72 | 109 | 2 | 264 | |
| | 30.7% | 27.3% | 41.3% | 0.8% | 100.0% | |
| | 14.9% | 19.6% | 21.2% | 18.2% | 18.4% | |
| 35-39 | 55 | 59 | 109 | 2 | 225 | |
| | 24.4% | 26.2% | 48.4% | 0.9% | 100.0% | |
| | 10.1% | 16.0% | 21.2% | 18.2% | 15.6% | |
| 40-44 | 45 | 46 | 80 | 0 | 171 | |
| | 26.3% | 26.9% | 46.8% | 0.0% | 100.0% | |
| | 8.3% | 12.5% | 15.6% | 0.0% | 11.9% | |
| 45-49 | 28 | 31 | 40 | 0 | 99 | |
| | 28.3% | 31.3% | 40.4% | 0.0% | 100.0% | |
| | 5.1% | 8.4% | 7.8% | 0.0% | 6.9% | |
| 50-54 | 18 | 23 | 39 | 0 | 80 | |
| | 22.5% | 28.8% | 48.8% | 0.0% | 100.0% | |
| | 3.3% | 6.3% | 7.6% | 0.0% | 5.6% | |
| 55-59 | 29 | 27 | 37 | 1 | 94 | |
| | 30.9% | 28.7% | 39.4% | 1.1% | 100.0% | |
| | 5.3% | 7.3% | 7.2% | 9.1% | 6.5% | |
| 60-64 | 7 | 18 | 18 | 3 | 46 | |
| | 15.2% | 39.1% | 39.1% | 6.5% | 100.0% | |
| | 1.3% | 4.9% | 3.5% | 27.3% | 3.2% | |
| 65-69 | 1 | 3 | 10 | 0 | 14 | |
| | 7.1% | 21.4% | 71.4% | 0.0% | 100.0% | |
| | 0.2% | 0.8% | 1.9% | 0.0% | 1.0% | |
| >=70 | 0 | 1 | 3 | 0 | 4 | |
| | 0.0% | 25.0% | 75.0% | 0.0% | 100.0% | |
| | 0.0% | 0.3% | 0.6% | 0.0% | 0.3% | |
| No Response | 1 | 2 | 4 | 0 | 7 | |
| | 14.3% | 28.6% | 57.1% | 0.0% | 100.0% | |
| | 0.2% | 0.5% | 0.8% | 0.0% | 0.5% | |
| TOTAL | 545 | 368 | 514 | 11 | 1,438 | |
| | 37.9% | 25.6% | 35.7% | 0.8% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-9.3.0

RESPONDENTS by WORK SPECIALTY and HIGHEST DEGREE
1982 Survey of ACS Members

| SPECIALTY | HIGHEST DEGREE Bachelor's | Master's | Doctorate | No Response | TOTAL | |
|---|---|---|---|---|---|---|
| Chemical Engineering | 364 | 294 | 402 | 6 | 1,066 | -Count |
| | 34.1% | 27.6% | 37.7% | 0.6% | 100.0% | -% of Row |
| | 11.4% | 12.8% | 6.2% | 4.8% | 8.9% | -% of Col |
| Biochemistry | 53 | 73 | 643 | 8 | 777 | |
| | 6.8% | 9.4% | 82.8% | 1.0% | 100.0% | |
| | 1.7% | 3.2% | 10.0% | 6.5% | 6.5% | |
| Agricultural/ Food Chemistry | 129 | 69 | 216 | 6 | 420 | |
| | 30.7% | 16.4% | 51.4% | 1.4% | 100.0% | |
| | 4.1% | 3.0% | 3.4% | 4.8% | 3.5% | |
| Analytical Chemistry | 787 | 405 | 695 | 18 | 1,905 | |
| | 41.3% | 21.3% | 36.5% | 0.9% | 100.0% | |
| | 24.7% | 17.7% | 10.8% | 14.5% | 15.8% | |
| Environmental Chemistry | 222 | 141 | 242 | 7 | 612 | |
| | 36.3% | 23.0% | 39.5% | 1.1% | 100.0% | |
| | 7.0% | 6.2% | 3.8% | 5.6% | 5.1% | |
| Organic Chemistry | 269 | 207 | 1,155 | 15 | 1,646 | |
| | 16.3% | 12.6% | 70.2% | 0.9% | 100.0% | |
| | 8.5% | 9.0% | 17.9% | 12.1% | 13.7% | |
| Inorganic Chemistry | 100 | 86 | 397 | 1 | 584 | |
| | 17.1% | 14.7% | 68.0% | 0.2% | 100.0% | |
| | 3.1% | 3.8% | 6.2% | 0.8% | 4.9% | |
| Pharmaceutical/ Medicinal/Clinical Chemistry | 172 | 163 | 475 | 9 | 819 | |
| | 21.0% | 19.9% | 58.0% | 1.1% | 100.0% | |
| | 5.4% | 7.1% | 7.4% | 7.3% | 6.8% | |
| Physical Chemistry | 50 | 36 | 612 | 7 | 705 | |
| | 7.1% | 5.1% | 86.8% | 1.0% | 100.0% | |
| | 1.6% | 1.6% | 9.5% | 5.6% | 5.9% | |
| Theoretical Chemistry | 3 | 3 | 58 | 0 | 64 | |
| | 4.7% | 4.7% | 90.6% | 0.0% | 100.0% | |
| | 0.1% | 0.1% | 0.9% | 0.0% | 0.5% | |
| Polymer/ Macromolecular Chemistry | 323 | 213 | 630 | 12 | 1,178 | |
| | 27.4% | 18.1% | 53.5% | 1.0% | 100.0% | |
| | 10.1% | 9.3% | 9.8% | 9.7% | 9.8% | |
| Other Chemical | 301 | 235 | 347 | 12 | 895 | |
| | 33.6% | 26.3% | 38.8% | 1.3% | 100.0% | |
| | 9.5% | 10.3% | 5.4% | 9.7% | 7.4% | |
| Non-Chemical | 338 | 321 | 485 | 4 | 1,148 | |
| | 29.4% | 28.0% | 42.2% | 0.3% | 100.0% | |
| | 10.6% | 14.0% | 7.5% | 3.2% | 9.5% | |
| No Response | 72 | 45 | 85 | 19 | 221 | |
| | 32.6% | 20.4% | 38.5% | 8.6% | 100.0% | |
| | 2.3% | 2.0% | 1.3% | 15.3% | 1.8% | |
| TOTAL | 3,183 | 2,291 | 6,442 | 124 | 12,040 | |
| | 26.4% | 19.0% | 53.5% | 1.0% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-9.4.0

RESPONDENTS by MINORITY CLASSIFICATION and HIGHEST DEGREE
1982 Survey of ACS Members

| | HIGHEST DEGREE | | | | | |
|---|---|---|---|---|---|---|
| RACE | Bachelors | Masters | Doctorate | No Response | TOTAL | |
| White | 3,013 | 2,110 | 5,772 | 91 | 10,986 | -Count |
| | 27.4% | 19.2% | 52.5% | 0.8% | 100.0% | -% of Row |
| | 94.7% | 92.1% | 89.6% | 73.4% | 91.2% | -% of Col |
| Black | 36 | 28 | 49 | 3 | 116 | |
| | 31.0% | 24.1% | 42.2% | 2.6% | 100.0% | |
| | 1.1% | 1.2% | 0.8% | 2.4% | 1.0% | |
| American Indian | 6 | 2 | 14 | 0 | 22 | |
| | 27.3% | 9.1% | 63.6% | 0.0% | 100.0% | |
| | 0.2% | 0.1% | 0.2% | 0.0% | 0.2% | |
| Asian/Pacific Islander | 77 | 101 | 479 | 10 | 667 | |
| | 11.5% | 15.1% | 71.8% | 1.5% | 100.0% | |
| | 2.4% | 4.4% | 7.4% | 8.1% | 5.5% | |
| Hispanic | 21 | 27 | 37 | 0 | 85 | |
| | 24.7% | 31.8% | 43.5% | 0.0% | 100.0% | |
| | 0.7% | 1.2% | 0.6% | 0.0% | 0.7% | |
| None of Above | 9 | 6 | 33 | 0 | 48 | |
| | 18.8% | 12.5% | 68.8% | 0.0% | 100.0% | |
| | 0.3% | 0.3% | 0.5% | 0.0% | 0.4% | |
| No Response | 21 | 17 | 58 | 20 | 116 | |
| | 18.1% | 14.7% | 50.0% | 17.2% | 100.0% | |
| | 0.7% | 0.7% | 0.9% | 16.1% | 1.0% | |
| TOTAL | 3,183 | 2,291 | 6,442 | 124 | 12,040 | |
| | 26.4% | 19.0% | 53.5% | 1.0% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-9.5.0

RESPONDENTS by MINORITY CLASIFICATION and SEX
1982 Survey of ACS Members

| RACE | SEX Men | Women | No Response | TOTAL | |
|---|---|---|---|---|---|
| White | 9,549 | 1,291 | 146 | 10,986 | -Count |
| | 86.9% | 11.8% | 1.3% | 100.0% | -% of Row |
| | 91.9% | 89.8% | 67.9% | 91.2% | -% of Col |
| Black | 91 | 19 | 6 | 116 | |
| | 78.4% | 16.4% | 5.2% | 100.0% | |
| | 0.9% | 1.3% | 2.8% | 1.0% | |
| American Indian | 16 | 1 | 5 | 22 | |
| | 72.7% | 4.5% | 22.7% | 100.0% | |
| | 0.2% | 0.1% | 2.3% | 0.2% | |
| Asian/Pacific Islander | 548 | 107 | 12 | 667 | |
| | 82.2% | 16.0% | 1.8% | 100.0% | |
| | 5.3% | 7.4% | 5.6% | 5.5% | |
| Hispanic | 71 | 11 | 3 | 85 | |
| | 83.5% | 12.9% | 3.5% | 100.0% | |
| | 0.7% | 0.8% | 1.4% | 0.7% | |
| None of Above | 42 | 4 | 2 | 48 | |
| | 87.5% | 8.3% | 4.2% | 100.0% | |
| | 0.4% | 0.3% | 0.9% | 0.4% | |
| No Response | 70 | 5 | 41 | 116 | |
| | 60.3% | 4.3% | 35.3% | 100.0% | |
| | 0.7% | 0.3% | 19.1% | 1.0% | |
| TOTAL | 10,387 | 1,438 | 215 | 12,040 | |
| | 86.3% | 11.9% | 1.8% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-9.6.0

RESPONDENTS by MINORITY CLASSIFICATION and CITIZENSHIP
1982 Survey of ACS Members

| | CITIZENSHIP | | | | | |
|---|---|---|---|---|---|---|
| RACE | US Citizen | Perm Resident | Other | No Response | TOTAL | |
| White | 10,670 | 206 | 35 | 75 | 10,986 | -Count |
| | 97.1% | 1.9% | 0.3% | 0.7% | 100.0% | -% of Row |
| | 93.5% | 47.4% | 46.7% | 66.4% | 91.2% | -% of Col |
| Black | 104 | 10 | 0 | 2 | 116 | |
| | 89.7% | 8.6% | 0.0% | 1.7% | 100.0% | |
| | 0.9% | 2.3% | 0.0% | 1.8% | 1.0% | |
| American Indian | 19 | 2 | 1 | 0 | 22 | |
| | 86.4% | 9.1% | 4.5% | 0.0% | 100.0% | |
| | 0.2% | 0.5% | 1.3% | 0.0% | 0.2% | |
| Asian/Pacific Islander | 426 | 197 | 36 | 8 | 667 | |
| | 63.9% | 29.5% | 5.4% | 1.2% | 100.0% | |
| | 3.7% | 45.3% | 48.0% | 7.1% | 5.5% | |
| Hispanic | 78 | 5 | 2 | 0 | 85 | |
| | 91.8% | 5.9% | 2.4% | 0.0% | 100.0% | |
| | 0.7% | 1.1% | 2.7% | 0.0% | 0.7% | |
| None of Above | 35 | 13 | 0 | 0 | 48 | |
| | 72.9% | 27.1% | 0.0% | 0.0% | 100.0% | |
| | 0.3% | 3.0% | 0.0% | 0.0% | 0.4% | |
| No Response | 85 | 2 | 1 | 28 | 116 | |
| | 73.3% | 1.7% | 0.9% | 24.1% | 100.0% | |
| | 0.7% | 0.5% | 1.3% | 24.8% | 1.0% | |
| TOTAL | 11,417 | 435 | 75 | 113 | 12,040 | |
| | 94.8% | 3.6% | 0.6% | 0.9% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-9.7.0

RESPONDENTS by ACS LOCAL SECTION and WORK SPECIALTY
1982 Survey of ACS Members

| LOCAL SECTION | Chemical Eng. | Biochem | Agri/Food Chem. | Analytical | Environmental | Organic | Inorganic | Pharm/Medicinal | Physical | Theor. Chem. | Polymer/Macro | Other Chem. | Non-Chem. | No Response | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SPECIALTY | | | | | | | | | | | | | | | |
| Southern California | 50 | 36 | 12 | 75 | 30 | 52 | 25 | 39 | 23 | 1 | 45 | 34 | 44 | 7 | 473 | -Count |
| | 10.6% | 7.6% | 2.5% | 15.9% | 6.3% | 11.0% | 5.3% | 8.2% | 4.9% | 0.2% | 9.5% | 7.2% | 9.3% | 1.5% | 100.0% | -% of Row |
| | 4.7% | 4.6% | 2.9% | 3.9% | 4.9% | 3.2% | 4.3% | 4.8% | 3.3% | 1.6% | 3.8% | 3.8% | 3.8% | 3.2% | 3.9% | -% of Col |
| California | 40 | 42 | 42 | 78 | 23 | 53 | 22 | 25 | 39 | 3 | 40 | 25 | 55 | 10 | 497 | |
| | 8.0% | 8.5% | 8.5% | 15.7% | 4.6% | 10.7% | 4.4% | 5.0% | 7.8% | 0.6% | 8.0% | 5.0% | 11.1% | 2.0% | 100.0% | |
| | 3.8% | 5.4% | 10.0% | 4.1% | 3.8% | 3.2% | 3.8% | 3.1% | 5.5% | 4.7% | 3.4% | 2.8% | 4.8% | 4.5% | 4.1% | |
| Chicago | 59 | 43 | 25 | 111 | 19 | 93 | 26 | 62 | 40 | 0 | 52 | 48 | 58 | 10 | 946 | |
| | 9.1% | 6.7% | 3.9% | 17.2% | 2.9% | 14.4% | 4.0% | 9.6% | 6.2% | 0.0% | 8.0% | 7.4% | 9.0% | 1.5% | 100.0% | |
| | 5.5% | 5.5% | 6.0% | 5.8% | 3.1% | 5.7% | 4.5% | 7.6% | 5.7% | 0.0% | 4.4% | 5.4% | 5.1% | 4.5% | 5.4% | |
| Delaware | 36 | 6 | 5 | 34 | 11 | 34 | 11 | 23 | 6 | 3 | 62 | 14 | 35 | 2 | 282 | |
| | 12.8% | 2.1% | 1.8% | 12.1% | 3.9% | 12.1% | 3.9% | 8.2% | 2.1% | 1.1% | 22.0% | 5.0% | 12.4% | 0.7% | 100.0% | |
| | 3.4% | 0.8% | 1.2% | 1.8% | 1.8% | 2.1% | 1.9% | 2.8% | 0.9% | 4.7% | 5.3% | 1.6% | 3.0% | 0.9% | 2.3% | |
| New York | 45 | 61 | 22 | 90 | 28 | 102 | 32 | 70 | 39 | 9 | 48 | 75 | 76 | 3 | 705 | |
| | 6.4% | 8.7% | 3.1% | 12.8% | 4.0% | 14.5% | 4.5% | 9.9% | 5.5% | 1.3% | 6.8% | 10.6% | 10.8% | 1.1% | 100.0% | |
| | 4.2% | 7.9% | 5.2% | 4.7% | 4.6% | 6.2% | 5.5% | 8.5% | 5.9% | 14.1% | 4.1% | 8.4% | 6.6% | 5.6% | 5.9% | |
| North Jersey | 101 | 38 | 20 | 108 | 19 | 150 | 35 | 99 | 39 | 3 | 88 | 70 | 75 | 8 | 855 | |
| | 11.8% | 4.5% | 2.3% | 12.7% | 2.2% | 17.6% | 4.1% | 11.6% | 4.6% | 0.4% | 10.3% | 8.2% | 8.8% | 0.9% | 100.0% | |
| | 9.5% | 4.9% | 4.8% | 5.7% | 3.1% | 9.1% | 6.0% | 12.1% | 5.9% | 4.7% | 7.5% | 7.8% | 6.5% | 3.6% | 7.1% | |
| North Eastern | 53 | 49 | 10 | 81 | 25 | 76 | 25 | 38 | 37 | 1 | 76 | 37 | 50 | 7 | 565 | |
| | 9.4% | 8.7% | 1.8% | 14.3% | 4.4% | 13.5% | 4.4% | 6.7% | 6.5% | 0.2% | 13.5% | 6.5% | 8.8% | 1.2% | 100.0% | |
| | 5.0% | 6.3% | 2.4% | 4.3% | 4.1% | 4.6% | 4.3% | 4.6% | 5.2% | 1.6% | 6.5% | 4.1% | 4.4% | 3.2% | 4.7% | |
| Philadelphia | 32 | 27 | 14 | 62 | 22 | 55 | 20 | 55 | 24 | 2 | 67 | 28 | 40 | 3 | 451 | |
| | 7.1% | 6.0% | 3.1% | 13.7% | 4.9% | 12.2% | 4.4% | 12.2% | 5.3% | 0.4% | 14.9% | 6.2% | 8.9% | 0.7% | 100.0% | |
| | 3.0% | 3.5% | 3.3% | 3.3% | 3.6% | 3.3% | 3.4% | 6.7% | 3.4% | 3.1% | 5.7% | 5.1% | 3.5% | 1.4% | 3.7% | |
| Pittsburgh | 35 | 6 | 2 | 42 | 20 | 19 | 10 | 4 | 23 | 1 | 30 | 21 | 21 | 1 | 235 | |
| | 14.9% | 2.6% | 0.9% | 17.9% | 8.5% | 8.1% | 4.3% | 1.7% | 9.8% | 0.4% | 12.8% | 8.9% | 8.9% | 0.4% | 100.0% | |
| | 3.3% | 0.8% | 0.5% | 2.2% | 3.3% | 1.2% | 1.7% | 0.5% | 3.3% | 1.6% | 2.5% | 2.3% | 1.8% | 0.5% | 2.0% | |
| Southeast Texas | 69 | 26 | 13 | 75 | 19 | 51 | 11 | 12 | 23 | 2 | 37 | 35 | 32 | 8 | 415 | |
| | 16.7% | 6.3% | 3.1% | 18.2% | 4.6% | 12.3% | 2.7% | 2.9% | 5.6% | 0.5% | 9.0% | 8.5% | 7.7% | 1.9% | 100.0% | |
| | 6.5% | 3.3% | 3.1% | 3.9% | 3.1% | 3.1% | 1.9% | 1.5% | 3.3% | 3.1% | 3.1% | 3.9% | 2.8% | 3.6% | 3.4% | |
| Washington, DC | 24 | 44 | 14 | 76 | 38 | 26 | 17 | 24 | 31 | 0 | 20 | 32 | 75 | 5 | 426 | |
| | 5.6% | 10.3% | 3.3% | 17.8% | 8.9% | 6.1% | 4.0% | 5.6% | 7.3% | 0.0% | 4.7% | 7.5% | 17.6% | 1.2% | 100.0% | |
| | 2.3% | 5.7% | 3.3% | 4.0% | 6.2% | 1.6% | 2.9% | 2.9% | 4.4% | 0.0% | 1.7% | 3.6% | 6.5% | 2.3% | 3.5% | |
| None of Above | 480 | 371 | 225 | 1,012 | 359 | 889 | 341 | 340 | 360 | 37 | 571 | 442 | 558 | 97 | 6,062 | |
| | 7.9% | 6.1% | 3.7% | 16.7% | 5.6% | 14.7% | 5.6% | 5.6% | 5.9% | 0.6% | 9.4% | 7.3% | 9.2% | 1.6% | 100.0% | |
| | 45.0% | 47.7% | 53.6% | 53.1% | 58.4% | 54.0% | 58.4% | 41.5% | 51.1% | 57.8% | 48.5% | 49.4% | 48.6% | 43.9% | 50.3% | |
| No Response | 42 | 28 | 16 | 61 | 19 | 46 | 9 | 28 | 21 | 2 | 42 | 34 | 29 | 55 | 432 | |
| | 9.7% | 6.5% | 3.7% | 14.1% | 4.4% | 10.6% | 2.1% | 6.5% | 4.9% | 0.5% | 9.7% | 7.9% | 6.7% | 12.7% | 100.0% | |
| | 3.9% | 3.6% | 3.8% | 3.2% | 3.1% | 2.8% | 1.5% | 3.4% | 3.0% | 3.1% | 3.6% | 3.8% | 2.5% | 24.9% | 3.6% | |
| TOTAL | 1,066 | 777 | 420 | 1,905 | 612 | 1,646 | 584 | 819 | 705 | 64 | 1,178 | 895 | 1,148 | 221 | 12,040 | |
| | 8.9% | 6.5% | 3.5% | 15.8% | 5.1% | 13.7% | 4.9% | 6.8% | 5.9% | 0.5% | 9.8% | 7.4% | 9.5% | 1.8% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-9.8.0

RESPONDENTS by ACS LOCAL SECTION and EMPLOYMENT STATUS
1982 Survey of ACS Members

EMPLOYMENT STATUS

| LOCAL SECTION | Post-Doctorate | Employed Full-time | Unemp. Seeking | Unemp. Not Seek. | Employed Part-time | No Response | TOTAL | |
|---|---|---|---|---|---|---|---|---|
| Southern California | 16 | 409 | 10 | 8 | 12 | 18 | 473 | -Count |
| | 3.4% | 86.5% | 2.1% | 1.7% | 2.5% | 3.8% | 100.0% | -% of Row |
| | 7.3% | 3.7% | 5.1% | 5.8% | 7.2% | 4.3% | 3.9% | -% of Col |
| California | 11 | 448 | 10 | 6 | 11 | 11 | 497 | |
| | 2.2% | 90.1% | 2.0% | 1.2% | 2.2% | 2.2% | 100.0% | |
| | 5.0% | 4.1% | 5.1% | 4.4% | 6.6% | 2.7% | 4.1% | |
| Chicago | 11 | 581 | 14 | 10 | 6 | 24 | 646 | |
| | 1.7% | 89.9% | 2.2% | 1.5% | 0.9% | 3.7% | 100.0% | |
| | 5.0% | 5.3% | 7.2% | 7.3% | 3.6% | 5.8% | 5.4% | |
| Delaware | 0 | 271 | 2 | 2 | 3 | 4 | 282 | |
| | 0.0% | 96.1% | 0.7% | 0.7% | 1.1% | 1.4% | 100.0% | |
| | 0.0% | 2.5% | 1.0% | 1.5% | 1.8% | 1.0% | 2.3% | |
| New York | 22 | 627 | 14 | 3 | 11 | 28 | 705 | |
| | 3.1% | 88.9% | 2.0% | 0.4% | 1.6% | 4.0% | 100.0% | |
| | 10.0% | 5.7% | 7.2% | 2.2% | 6.6% | 6.7% | 5.9% | |
| North Jersey | 8 | 781 | 11 | 13 | 7 | 33 | 853 | |
| | 0.9% | 91.6% | 1.3% | 1.5% | 0.8% | 3.9% | 100.0% | |
| | 3.7% | 7.2% | 5.6% | 9.5% | 4.2% | 8.0% | 7.1% | |
| North Eastern | 21 | 511 | 12 | 3 | 8 | 10 | 565 | |
| | 3.7% | 90.4% | 2.1% | 0.5% | 1.4% | 1.8% | 100.0% | |
| | 9.6% | 4.7% | 6.2% | 2.2% | 4.8% | 2.4% | 4.7% | |
| Philadelphia | 3 | 419 | 6 | 5 | 6 | 12 | 451 | |
| | 0.7% | 92.9% | 1.3% | 1.1% | 1.3% | 2.7% | 100.0% | |
| | 1.4% | 3.8% | 3.1% | 3.6% | 3.6% | 2.9% | 3.7% | |
| Pittsburgh | 2 | 216 | 5 | 0 | 2 | 10 | 235 | |
| | 0.9% | 91.9% | 2.1% | 0.0% | 0.9% | 4.3% | 100.0% | |
| | 0.9% | 2.0% | 2.6% | 0.0% | 1.2% | 2.4% | 2.0% | |
| Southeast Texas | 9 | 372 | 6 | 4 | 3 | 19 | 413 | |
| | 2.2% | 90.1% | 1.5% | 1.0% | 0.7% | 4.6% | 100.0% | |
| | 4.1% | 3.4% | 3.1% | 2.9% | 1.8% | 4.6% | 3.4% | |
| Washington, DC | 15 | 380 | 5 | 2 | 9 | 15 | 426 | |
| | 3.5% | 89.2% | 1.2% | 0.5% | 2.1% | 3.5% | 100.0% | |
| | 6.8% | 3.5% | 2.6% | 1.5% | 5.4% | 3.6% | 3.5% | |
| None of Above | 93 | 5,529 | 92 | 74 | 83 | 191 | 6,062 | |
| | 1.5% | 91.2% | 1.5% | 1.2% | 1.4% | 3.2% | 100.0% | |
| | 42.5% | 50.7% | 47.2% | 54.0% | 50.0% | 46.0% | 50.3% | |
| No Response | 8 | 364 | 8 | 7 | 5 | 40 | 432 | |
| | 1.9% | 84.3% | 1.9% | 1.6% | 1.2% | 9.3% | 100.0% | |
| | 3.7% | 3.3% | 4.1% | 5.1% | 3.0% | 9.6% | 3.6% | |
| TOTAL | 219 | 10,908 | 195 | 137 | 166 | 415 | 12,040 | |
| | 1.8% | 90.6% | 1.6% | 1.1% | 1.4% | 3.4% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-9.9.0

RESPONDENTS by ACS LOCAL SECTION and SEX
1982 Survey of ACS Members

| | SEX | | | | |
|---|---|---|---|---|---|
| LOCAL SECTION | Men | Women | No Response | TOTAL | |
| Southern California | 398 | 62 | 13 | 473 | -Count |
| | 84.1% | 13.1% | 2.7% | 100.0% | -% of Row |
| | 3.8% | 4.3% | 6.0% | 3.9% | -% of Col |
| California | 430 | 57 | 10 | 497 | |
| | 86.5% | 11.5% | 2.0% | 100.0% | |
| | 4.1% | 4.0% | 4.7% | 4.1% | |
| Chicago | 563 | 75 | 3 | 646 | |
| | 87.2% | 11.6% | 1.2% | 100.0% | |
| | 5.4% | 5.2% | 3.7% | 5.4% | |
| Delaware | 258 | 20 | 4 | 282 | |
| | 91.5% | 7.1% | 1.4% | 100.0% | |
| | 2.5% | 1.4% | 1.9% | 2.3% | |
| New York | 590 | 106 | 9 | 705 | |
| | 83.7% | 15.0% | 1.3% | 100.0% | |
| | 5.7% | 7.4% | 4.2% | 5.9% | |
| North Jersey | 751 | 93 | 9 | 853 | |
| | 88.0% | 10.9% | 1.1% | 100.0% | |
| | 7.2% | 6.5% | 4.2% | 7.1% | |
| North Eastern | 478 | 81 | 6 | 565 | |
| | 84.6% | 14.3% | 1.1% | 100.0% | |
| | 4.6% | 5.6% | 2.8% | 4.7% | |
| Philadelphia | 386 | 56 | 9 | 451 | |
| | 85.6% | 12.4% | 2.0% | 100.0% | |
| | 3.7% | 3.9% | 4.2% | 3.7% | |
| Pittsburgh | 211 | 22 | 2 | 235 | |
| | 89.8% | 9.4% | 0.9% | 100.0% | |
| | 2.0% | 1.5% | 0.9% | 2.0% | |
| Southeast Texas | 353 | 55 | 5 | 413 | |
| | 85.5% | 13.3% | 1.2% | 100.0% | |
| | 3.4% | 3.8% | 2.3% | 3.4% | |
| Washington, DC | 335 | 83 | 8 | 426 | |
| | 78.6% | 19.5% | 1.9% | 100.0% | |
| | 3.2% | 5.8% | 3.7% | 3.5% | |
| None of Above | 5,329 | 677 | 56 | 6,062 | |
| | 87.9% | 11.2% | 0.9% | 100.0% | |
| | 51.3% | 47.1% | 26.0% | 50.3% | |
| No Response | 305 | 51 | 76 | 432 | |
| | 70.6% | 11.8% | 17.6% | 100.0% | |
| | 2.9% | 3.5% | 35.3% | 3.6% | |
| TOTAL | 10,387 | 1,438 | 215 | 12,040 | |
| | 86.3% | 11.9% | 1.8% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE 9.10.0

RESPONDENTS by ACS LOCAL SECTION and AGE
1982 Survey of ACS Members

| ACS LOCAL SECTION | AGE LEVEL 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | >=70 | No Response | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Southern California | 7 | 52 | 71 | 70 | 63 | 53 | 53 | 41 | 41 | 12 | 4 | 6 | 475 | -Count |
| | 1.5% | 11.0% | 15.0% | 14.8% | 13.3% | 11.2% | 11.2% | 8.7% | 8.7% | 2.5% | 0.8% | 1.3% | 100.0% | -% of Row |
| | 2.5% | 4.1% | 4.3% | 3.9% | 3.8% | 4.1% | 3.8% | 3.1% | 4.1% | 5.2% | 10.3% | 5.7% | 3.9% | -% of Col |
| California | 10 | 46 | 83 | 93 | 76 | 34 | 47 | 55 | 35 | 12 | 2 | 4 | 497 | |
| | 2.0% | 9.3% | 16.7% | 18.7% | 15.3% | 6.8% | 9.5% | 11.1% | 7.0% | 2.4% | 0.4% | 0.8% | 100.0% | |
| | 3.6% | 3.6% | 5.0% | 5.1% | 4.6% | 2.7% | 3.4% | 4.2% | 3.5% | 5.2% | 5.1% | 3.8% | 4.1% | |
| Chicago | 18 | 90 | 101 | 85 | 68 | 63 | 80 | 79 | 47 | 12 | 0 | 3 | 646 | |
| | 2.8% | 13.9% | 15.6% | 13.2% | 10.5% | 9.8% | 12.4% | 12.2% | 7.3% | 1.9% | 0.0% | 0.5% | 100.0% | |
| | 6.5% | 7.1% | 6.1% | 4.7% | 4.1% | 4.9% | 5.7% | 6.0% | 4.7% | 5.2% | 0.0% | 2.9% | 5.4% | |
| Delaware | 2 | 25 | 34 | 25 | 31 | 23 | 50 | 46 | 36 | 7 | 0 | 3 | 282 | |
| | 0.7% | 8.9% | 12.1% | 8.9% | 11.0% | 8.2% | 17.7% | 16.3% | 12.8% | 2.5% | 0.0% | 1.1% | 100.0% | |
| | 0.7% | 2.0% | 2.1% | 1.4% | 1.9% | 1.8% | 3.6% | 3.5% | 3.6% | 3.0% | 0.0% | 2.9% | 2.3% | |
| New York | 21 | 83 | 93 | 96 | 87 | 75 | 76 | 88 | 70 | 12 | 2 | 2 | 705 | |
| | 3.0% | 11.8% | 13.2% | 13.6% | 12.3% | 10.6% | 10.8% | 12.5% | 9.9% | 1.7% | 0.3% | 0.3% | 100.0% | |
| | 7.6% | 6.6% | 5.6% | 5.3% | 5.2% | 5.9% | 5.4% | 6.7% | 7.0% | 5.2% | 5.1% | 1.9% | 5.9% | |
| North Jersey | 20 | 84 | 120 | 145 | 104 | 90 | 103 | 94 | 71 | 17 | 1 | 4 | 853 | |
| | 2.3% | 9.8% | 14.1% | 17.0% | 12.2% | 10.6% | 12.1% | 11.0% | 8.3% | 2.0% | 0.1% | 0.5% | 100.0% | |
| | 7.3% | 6.6% | 7.2% | 8.0% | 6.3% | 7.0% | 7.4% | 7.1% | 7.2% | 7.3% | 2.6% | 3.8% | 7.1% | |
| North Eastern | 16 | 71 | 86 | 85 | 82 | 58 | 62 | 58 | 38 | 5 | 0 | 4 | 565 | |
| | 2.8% | 12.6% | 15.2% | 15.0% | 14.5% | 10.3% | 11.0% | 10.3% | 6.7% | 0.9% | 0.0% | 0.7% | 100.0% | |
| | 5.8% | 5.6% | 5.2% | 4.7% | 4.9% | 4.5% | 4.4% | 4.4% | 3.8% | 2.1% | 0.0% | 3.8% | 4.7% | |
| Philadelphia | 9 | 47 | 65 | 73 | 47 | 56 | 52 | 52 | 38 | 9 | 0 | 3 | 451 | |
| | 2.0% | 10.4% | 14.4% | 16.2% | 10.4% | 12.4% | 11.5% | 11.5% | 8.4% | 2.0% | 0.0% | 0.7% | 100.0% | |
| | 3.3% | 3.7% | 3.9% | 4.0% | 2.8% | 4.4% | 3.7% | 4.0% | 3.8% | 3.9% | 0.0% | 2.9% | 3.7% | |
| Pittsburgh | 9 | 27 | 29 | 32 | 29 | 18 | 35 | 31 | 22 | 2 | 1 | 0 | 235 | |
| | 3.8% | 11.5% | 12.3% | 13.6% | 12.3% | 7.7% | 14.9% | 13.2% | 9.4% | 0.9% | 0.4% | 0.0% | 100.0% | |
| | 3.3% | 2.1% | 1.7% | 1.8% | 1.7% | 1.4% | 2.5% | 2.4% | 2.2% | 0.9% | 2.6% | 0.0% | 2.0% | |
| Southeast Texas | 12 | 48 | 69 | 65 | 51 | 36 | 44 | 40 | 38 | 6 | 0 | 4 | 413 | |
| | 2.9% | 11.6% | 16.7% | 15.7% | 12.3% | 8.7% | 10.7% | 9.7% | 9.2% | 1.5% | 0.0% | 1.0% | 100.0% | |
| | 4.4% | 3.8% | 4.2% | 3.6% | 3.1% | 2.8% | 3.1% | 3.0% | 3.8% | 2.6% | 0.0% | 3.8% | 3.4% | |
| Washington, DC | 8 | 35 | 51 | 71 | 72 | 52 | 46 | 42 | 39 | 6 | 1 | 3 | 426 | |
| | 1.9% | 8.2% | 12.0% | 16.7% | 16.9% | 12.2% | 10.8% | 9.9% | 9.2% | 1.4% | 0.2% | 0.7% | 100.0% | |
| | 2.9% | 2.8% | 3.1% | 3.9% | 4.3% | 4.1% | 3.3% | 3.2% | 3.9% | 2.6% | 2.6% | 2.9% | 3.5% | |
| None of Above | 127 | 603 | 802 | 910 | 912 | 685 | 721 | 650 | 494 | 129 | 5 | 24 | 6,062 | |
| | 2.1% | 9.9% | 13.2% | 15.0% | 15.0% | 11.3% | 11.9% | 10.7% | 8.1% | 2.1% | 0.1% | 0.4% | 100.0% | |
| | 46.2% | 47.6% | 48.4% | 50.3% | 54.8% | 53.5% | 51.5% | 49.4% | 49.7% | 55.4% | 12.8% | 22.9% | 50.3% | |
| No Response | 16 | 56 | 54 | 60 | 41 | 37 | 32 | 40 | 24 | 4 | 23 | 45 | 432 | |
| | 3.7% | 13.0% | 12.5% | 13.9% | 9.5% | 8.6% | 7.4% | 9.3% | 5.6% | 0.9% | 5.3% | 10.4% | 100.0% | |
| | 5.8% | 4.4% | 3.3% | 3.3% | 2.5% | 2.9% | 2.3% | 3.0% | 2.4% | 1.7% | 59.0% | 42.9% | 3.6% | |
| TOTAL | 275 | 1,267 | 1,658 | 1,810 | 1,663 | 1,280 | 1,401 | 1,316 | 993 | 233 | 39 | 105 | 12,040 | |
| | 2.3% | 10.5% | 13.8% | 15.0% | 13.8% | 10.6% | 11.6% | 10.9% | 8.2% | 1.9% | 0.3% | 0.9% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-9.11.0

RESPONDENTS by ACS LOCAL SECTION and HIGHEST DEGREE
1982 Survey of ACS Members

| ACS LOCAL SECTION | HIGHEST DEGREE Bachelors | Masters | Doctorate | No Response | TOTAL | |
|---|---|---|---|---|---|---|
| Southern California | 159 | 80 | 230 | 4 | 473 | -Count |
| | 33.6% | 16.9% | 48.6% | 0.8% | 100.0% | -% of Row |
| | 5.0% | 3.5% | 3.6% | 3.2% | 3.9% | -% of Col |
| California | 133 | 67 | 295 | 2 | 497 | |
| | 26.8% | 13.5% | 59.4% | 0.4% | 100.0% | |
| | 4.2% | 2.9% | 4.6% | 1.6% | 4.1% | |
| Chicago | 191 | 144 | 300 | 8 | 646 | |
| | 30.0% | 22.3% | 46.4% | 1.2% | 100.0% | |
| | 6.1% | 6.3% | 4.7% | 6.5% | 5.4% | |
| Delaware | 41 | 43 | 197 | 1 | 282 | |
| | 14.5% | 15.2% | 69.9% | 0.4% | 100.0% | |
| | 1.3% | 1.9% | 3.1% | 0.8% | 2.3% | |
| New York | 155 | 172 | 373 | 5 | 705 | |
| | 22.0% | 24.4% | 52.9% | 0.7% | 100.0% | |
| | 4.9% | 7.5% | 5.8% | 4.0% | 5.9% | |
| North Jersey | 213 | 207 | 424 | 9 | 853 | |
| | 25.0% | 24.3% | 49.7% | 1.1% | 100.0% | |
| | 6.7% | 9.0% | 6.6% | 7.3% | 7.1% | |
| North Eastern | 151 | 117 | 293 | 4 | 565 | |
| | 26.7% | 20.7% | 51.9% | 0.7% | 100.0% | |
| | 4.7% | 5.1% | 4.5% | 3.2% | 4.7% | |
| Philadelphia | 125 | 94 | 231 | 1 | 451 | |
| | 27.7% | 20.8% | 51.2% | 0.2% | 100.0% | |
| | 3.9% | 4.1% | 3.6% | 0.8% | 3.7% | |
| Pittsburgh | 80 | 53 | 100 | 2 | 235 | |
| | 34.0% | 22.6% | 42.6% | 0.9% | 100.0% | |
| | 2.5% | 2.3% | 1.6% | 1.6% | 2.0% | |
| Southeast Texas | 117 | 88 | 204 | 4 | 413 | |
| | 28.3% | 21.3% | 49.4% | 1.0% | 100.0% | |
| | 3.7% | 3.8% | 3.2% | 3.2% | 3.4% | |
| Washington, DC | 95 | 72 | 255 | 4 | 426 | |
| | 22.3% | 16.9% | 59.9% | 0.9% | 100.0% | |
| | 3.0% | 3.1% | 4.0% | 3.2% | 3.5% | |
| None of Above | 1,591 | 1,080 | 3,335 | 56 | 6,062 | |
| | 26.2% | 17.8% | 55.0% | 0.9% | 100.0% | |
| | 50.0% | 47.1% | 51.8% | 45.2% | 50.3% | |
| No Response | 129 | 74 | 205 | 24 | 432 | |
| | 29.9% | 17.1% | 47.5% | 5.6% | 100.0% | |
| | 4.1% | 3.2% | 3.2% | 19.4% | 3.6% | |
| TOTAL | 3,183 | 2,291 | 6,442 | 124 | 12,040 | |
| | 26.4% | 19.0% | 53.5% | 1.0% | 100.0% | |
| | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-10.1.0

POSTDOCTORAL RESPONDENTS by AGE and YEARS SINCE B.S.
1982 Survey of ACS Members

YEARS SINCE BS

| AGE LEVEL | 0-1 | 2-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | >= 40 | No Response | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20-24 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | -Count |
| | 0.0% | 50.0% | 50.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | -% of Row |
| | ***.*% | 25.0% | 1.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.9% | -% of Col |
| 25-29 | 0 | 3 | 81 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 93 | |
| | 0.0% | 3.2% | 87.1% | 1.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 8.6% | 100.0% | |
| | ***.*% | 75.0% | 83.5% | 1.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 30.8% | 42.5% | |
| 30-34 | 0 | 0 | 10 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 65 | |
| | 0.0% | 0.0% | 15.4% | 70.8% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 13.8% | 100.0% | |
| | ***.*% | 0.0% | 10.3% | 78.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 34.6% | 29.7% | |
| 35-39 | 0 | 0 | 1 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 7 | 29 | |
| | 0.0% | 0.0% | 3.4% | 37.9% | 34.5% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 24.1% | 100.0% | |
| | ***.*% | 0.0% | 1.0% | 18.6% | 55.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 26.9% | 13.2% | |
| 40-44 | 0 | 0 | 1 | 1 | 7 | 5 | 0 | 0 | 0 | 0 | 2 | 16 | |
| | 0.0% | 0.0% | 6.3% | 6.3% | 43.8% | 31.3% | 0.0% | 0.0% | 0.0% | 0.0% | 12.5% | 100.0% | |
| | ***.*% | 0.0% | 1.0% | 1.7% | 38.9% | 83.3% | 0.0% | 0.0% | 0.0% | 0.0% | 7.7% | 7.3% | |
| 45-49 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | |
| | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | ***.*% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 66.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.9% | |
| 50-54 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 5 | |
| | 0.0% | 0.0% | 0.0% | 0.0% | 20.0% | 20.0% | 20.0% | 40.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | ***.*% | 0.0% | 0.0% | 0.0% | 5.6% | 16.7% | 33.3% | 100.0% | 0.0% | 0.0% | 0.0% | 2.3% | |
| 55-59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | |
| | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 0.0% | 100.0% | |
| | ***.*% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 66.7% | 0.0% | 0.0% | 0.9% | |
| 60-64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | |
| | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 50.0% | 50.0% | 0.0% | 100.0% | |
| | ***.*% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 33.3% | 100.0% | 0.0% | 0.9% | |
| 65-69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | |
| | ***.*% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| >=70 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| | 0.0% | 0.0% | 100.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | ***.*% | 0.0% | 2.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.9% | |
| No Response | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | 0.0% | 0.0% | 100.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | ***.*% | 0.0% | 1.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.5% | |
| TOTAL | 0 | 4 | 97 | 59 | 18 | 6 | 3 | 2 | 3 | 1 | 26 | 219 | |
| | 0.0% | 1.8% | 44.3% | 26.9% | 8.2% | 2.7% | 1.4% | 0.9% | 1.4% | 0.5% | 11.9% | 100.0% | |
| | ***.*% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-10.2.0

POSTDOCTORAL RESPONDENTS by MINORITY CLASSIFICATION and CITIZENSHIP
1982 Survey of ACS Members

| | RACE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CITIZENSHIP | White | Black | American Indian | Asian/ Pacific | Hispanic | Other | No Response | TOTAL | |
| US Citizen | 142 | 0 | 2 | 11 | 1 | 2 | 2 | 160 | -Count |
| | 88.8% | 0.0% | 1.3% | 6.9% | 0.6% | 1.3% | 1.3% | 100.0% | -% of Row |
| | 88.8% | ***.*% | 100.0% | 22.0% | 50.0% | 66.7% | 100.0% | 73.1% | -% of Col |
| Permanent Resident | 4 | 0 | 0 | 16 | 0 | 1 | 0 | 21 | |
| | 19.0% | 0.0% | 0.0% | 76.2% | 0.0% | 4.8% | 0.0% | 100.0% | |
| | 2.5% | ***.*% | 0.0% | 32.0% | 0.0% | 33.3% | 0.0% | 9.6% | |
| Other | 14 | 0 | 0 | 21 | 1 | 0 | 0 | 36 | |
| | 38.9% | 0.0% | 0.0% | 58.3% | 2.8% | 0.0% | 0.0% | 100.0% | |
| | 8.8% | ***.*% | 0.0% | 42.0% | 50.0% | 0.0% | 0.0% | 16.4% | |
| No Response | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | |
| | 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | 0.0% | ***.*% | 0.0% | 4.0% | 0.0% | 0.0% | 0.0% | 0.9% | |
| TOTAL | 160 | 0 | 2 | 50 | 2 | 3 | 2 | 219 | |
| | 73.1% | 0.0% | 0.9% | 22.8% | 0.9% | 1.4% | 0.9% | 100.0% | |
| | 100.0% | ***.*% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

TABLE-10.3.0

POSTDOCTORAL RESPONDENTS by ACADEMIC EMPLOYER and MINORITY CLASSIFICATION
1982 Survey of ACS Members

| | RACE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SCHOOL | White | Black | American Indian | Asian/ Pacific | Hispanic | Other | No Response | TOTAL | |
| Private Doctorate | 52 | 0 | 0 | 16 | 2 | 2 | 1 | 73 | -Count |
| | 71.2% | 0.0% | 0.0% | 21.9% | 2.7% | 2.7% | 1.4% | 100.0% | -% of Row |
| | 32.5% | ***.*% | 0.0% | 32.0% | 100.0% | 66.7% | 50.0% | 33.3% | -% of Col |
| Private Masters | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | |
| | 0.0% | ***.*% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| Private Bachelors | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | |
| | 100.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | 2.5% | ***.*% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 1.8% | |
| Private Associate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | |
| | 0.0% | ***.*% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| Public Doctorate | 70 | 0 | 2 | 20 | 0 | 0 | 1 | 93 | |
| | 75.3% | 0.0% | 2.2% | 21.5% | 0.0% | 0.0% | 1.1% | 100.0% | |
| | 43.8% | ***.*% | 100.0% | 40.0% | 0.0% | 0.0% | 50.0% | 42.5% | |
| Public Masters | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | |
| | 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 0.0% | 0.0% | 100.0% | |
| | 0.0% | ***.*% | 0.0% | 2.0% | 0.0% | 0.0% | 0.0% | 0.5% | |
| Public Bachelors | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | |
| | 0.0% | ***.*% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| Public Associate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | ***.*% | |
| | 0.0% | ***.*% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| No Response | 34 | 0 | 0 | 13 | 0 | 1 | 0 | 48 | |
| | 70.8% | 0.0% | 0.0% | 27.1% | 0.0% | 2.1% | 0.0% | 100.0% | |
| | 21.3% | ***.*% | 0.0% | 26.0% | 0.0% | 33.3% | 0.0% | 21.9% | |
| TOTAL | 160 | 0 | 2 | 50 | 2 | 3 | 2 | 219 | |
| | 73.1% | 0.0% | 0.9% | 22.8% | 0.9% | 1.4% | 0.9% | 100.0% | |
| | 100.0% | ***.*% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

American Chemical Society

OFFICE OF THE
EXECUTIVE DIRECTOR

Raymond P. Mariella, *Executive Director*

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone (202) 872-4455

February 22, 1982

Dear Member:

The American Chemical Society annually reports on the economic status of the chemical profession as reflected in a sample survey of its U.S. membership. This year's study will also gather information about chemists' participation in continuing education. You are one of about 21,000 randomly selected members being asked to participate in this survey, which is conducted under the aegis of the Council Committee on Economic Status.

Because a high response rate is needed to assure accurate results, your participation will be an important service to your colleagues. Please take a few minutes now, while the survey form is before you, to fill out the questionnaire and return it promptly in the enclosed business reply envelope. The procedure is confidential, and the information you provide will be combined with returns from other members so that only aggregated data will be available. A summary of the findings will appear in CHEMICAL AND ENGINEERING NEWS later this spring.

Please feel free to use the back of the questionnaire for whatever comments or suggestions you might care to make.

Thank you for your assistance.

Sincerely yours,

Raymond P. Mariella

Raymond P. Mariella

AMERICAN CHEMICAL SOCIETY

1982 Comprehensive Salary and Employment Status Survey

A. Please indicate the year in which you earned any of the following degrees:

Bachelors 19____ Masters 19____ Doctorate 19____

B. Field of highest degree:

| | | | |
|---|---|---|---|
| Chemical engineering | 1[] | Pharmaceutical/medicinal/ clinical chemistry | 8[] |
| Biochemistry | 2[] | Theoretical chemistry | 9[] |
| General chemistry | 3[] | Agricultural/food chemistry | 10[] |
| Analytical chemistry | 4[] | Physical chemistry | 11[] |
| Inorganic chemistry | 5[] | Other chemical (specify)_____ | 12[] |
| Organic chemistry | 6[] | Non-chemical (specify)_____ | 13[] |
| Polymer/macromolecular chemistry | 7[] | | |

C. Employment status (Please check the ONE response that most aptly describes your status on March 1, 1982.):

Postdoctoral or other fellowship 1[]
Employed full-time 2[]
→ Principal ANNUAL SALARY on March 1, 1982. (Do not include payments for second job, overtime work, summer teaching, or other supplemental employment.)
$_____ per year

Not employed
and seeking employment 3[]
and not seeking employment 4[]

Employed part-time 5[]

D. If you were unemployed on March 1, how long had you been unemployed? _____ months

E. Check the ONE specialty most closely related to your present (or most recent) principal employment:

| | | | |
|---|---|---|---|
| Chemical engineering | 1[] | Pharmaceutical/medicinal/ clinical chemistry | 8[] |
| Biochemistry | 2[] | Physical chemistry | 9[] |
| Agricultural/food chemistry | 3[] | Theoretical chemistry | 10[] |
| Analytical chemistry | 4[] | Polymer/macromolecular chemistry | 11[] |
| Environmental chemistry | 5[] | Other chemical specialty | 12[] |
| Organic chemistry | 6[] | Non-chemical specialty | 13[] |
| Inorganic chemistry | 7[] | | |

F. Citizenship or visa status:

U. S. citizen 1[]
U. S. permanent resident visa 2[]
Other 3[]

G. Racial or ethnic group:

White 1[]
Black (not of Hispanic origin) 2[]
American Indian or Alaskan Native 3[]
Asian or Pacific Islander (Chinese, Japanese, Korean, Filipino, Subcontinental Indian) 4[]
Hispanic (Mexican, Puerto Rican, Cuban, Spanish) 5[]
None of the above 6[]

H. Sex: Male 1[] Female 2[]

I. Age at last birthday before March 1, 1982: _____

J. State of residence: _____

K. Please indicate your ACS local section:

| | | | | | |
|---|---|---|---|---|---|
| Southern California | 1[] | New York | 5[] | Pittsburgh | 9[] |
| California | 2[] | North Jersey | 6[] | Southeastern Texas | 10[] |
| Chicago | 3[] | Northeastern | 7[] | Washington (DC) | 11[] |
| Delaware | 4[] | Philadelphia | 8[] | None of the above | 12[] |

IF YOUR CURRENT (OR MOST RECENT) PRINCIPAL EMPLOYER IS AN ACADEMIC INSTITUTION, PLEASE SKIP TO QUESTION O.

L. Current (or most recent) principal employer:

Private industry
- Manufacturing
  - Chemicals . . . . . 1[]
  - Coatings . . . . . 2[]
  - Food . . . . . 3[]
  - Metals, minerals . . . . . 4[]
  - Paper . . . . . 5[]
  - Petroleum . . . . . 6[]
  - Pharmaceuticals, personal care . . 7[]
  - Rubber . . . . . 8[]
  - Other manufactures . . . . . 9[]
- Non-manufacturing . . . . . .10[]

Government
- Federal (including military). . . . .11[]
- State or local . . . . . .12[]

Hospital, independent laboratory. . . .13[]

Other non-profit organization, other research institution . . . . .14[]

Self-employed . . . . . .15[]

Other employment . . . . . .16[]

M. Work function (Please check only one.):

Research and Development
- Management or administration of R&D . . 1[]
- Basic research . . . . . 2[]
- Applied research, Development, Design . 3[]

General management, administration (other than research and development) . 4[]

Marketing, Sales, Purchasing, Technical Service, Economic evaluation . . . . . 5[]

Production, Quality control . . . . . 6[]

Forensic analysis, Other laboratory analysis . . . . . 7[]

Writing, Editing, Abstracting, Library services . . . . . 8[]

Data processing . . . . . 9[]

Consulting . . . . . .10[]

Other . . . . . .11[]

N. Number of subordinates reporting to you directly or through others (if none, please write "0".):

Professionals _____ Technicians _____ Other _____

PLEASE SKIP TO QUESTION Q.

O. Current or most recent principal employer:

Private college or university where the highest degree offered in chemical science is:
- Doctorate . . . . . 1[]
- Masters . . . . . 2[]
- Bachelors . . . . . 3[]
- Associate . . . . . 4[]

Public college or university where the highest degree offered in chemical science is:
- Doctorate . . . . . 5[]
- Masters . . . . . 6[]
- Bachelors . . . . . 7[]
- Associate . . . . . 8[]

P. Rank:
- Professor . . . . . 1[]
- Associate professor . . . . . 2[]
- Assistant professor . . . . . 3[]
- Instructor or lecturer . . . . . 4[]
- Non-faculty research associate . . . 5[]
- Unranked faculty member . . . . . 6[]

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Q. During the past two years which of the following methods have you used to keep current in your field? (Check ALL that apply.)

- Read current literature regularly . . . 1[]
- Attend scientific meetings . . . . . 2[]
- Take career-oriented courses (other than those for college credit). . . . 3[]

R. If a course were available in a topic you wanted to study, which format at the right would appeal to you most? _____

least? _____

1. Audio course (tape cassette)
2. Computer assisted instruction
3. Correspondence course
4. Classroom instruction
5. Video course (video tape)

S. Will your employer pay any part of the cost of your non-credit, career-oriented courses? Yes 1[] No 2[]

T. Would your employer allow you any time from work to participate in such courses? Yes 1[] No 2[]

U. Does your employer conduct any career-oriented courses at your place of employment? Yes 1[] No 2[]

V. In your opinion, how important to career success is participation in non-credit, career-oriented courses?
- Very important . . . . . 1[]
- Moderately important . . . . . 2[]
- Insignificant . . . . . 3[]

W. Please list, on the back of this questionnaire, topics for the career-oriented courses you would most like to attend.

Please return within 10 days to the American Chemical Society
Room 202, 1155 Sixteenth Street, N.W., Washington, D.C. 20036
Thank you.

ACS OFFICE OF MANPOWER STUDIES PUBLICATIONS

Salaries: The Office of Manpower Studies annually surveys the ACS membership, gathering detailed information on member chemists and chemical engineers. The reports based on this survey contain statistical tables describing the respondents' employment status, employers, work function and specialty, salaries, and geographic and other demographic characteristics.

Reports are available for each year from 1973 through 1982.

Starting Salaries: The Office of Manpower Studies also surveys new graduates in chemistry and chemical engineering each year, and publishes reports detailing the graduates' employment status, post-graduation plans, starting salaries, and other employment and demographic characteristics.

Reports are available for each year from 1975 through 1981.

Professionals in Chemistry: The Professionals in Chemistry series compiles information concerning chemists and chemical engineers from ACS, government, and private industry sources. It details information on demography, employment, salaries, education, and supply and demand for the entire chemical profession.

Reports for each year from 1975 through 1978, and a combined report for 1979-1980, are available.

Special Reports:

1975 Report of Chemists' Salaries and Employment Status Supplement: Economic Status of Women in the ACS.

Women Chemists 1980: A supplemental report on the ACS's 1980 Survey of Salaries and Employment.

For prices and ordering information, please call or write:

Distribution Office
American Chemical Society
1155 Sixteenth Street, N.W.
Washington, D.C. 20036

Phone: (202) 872-4363